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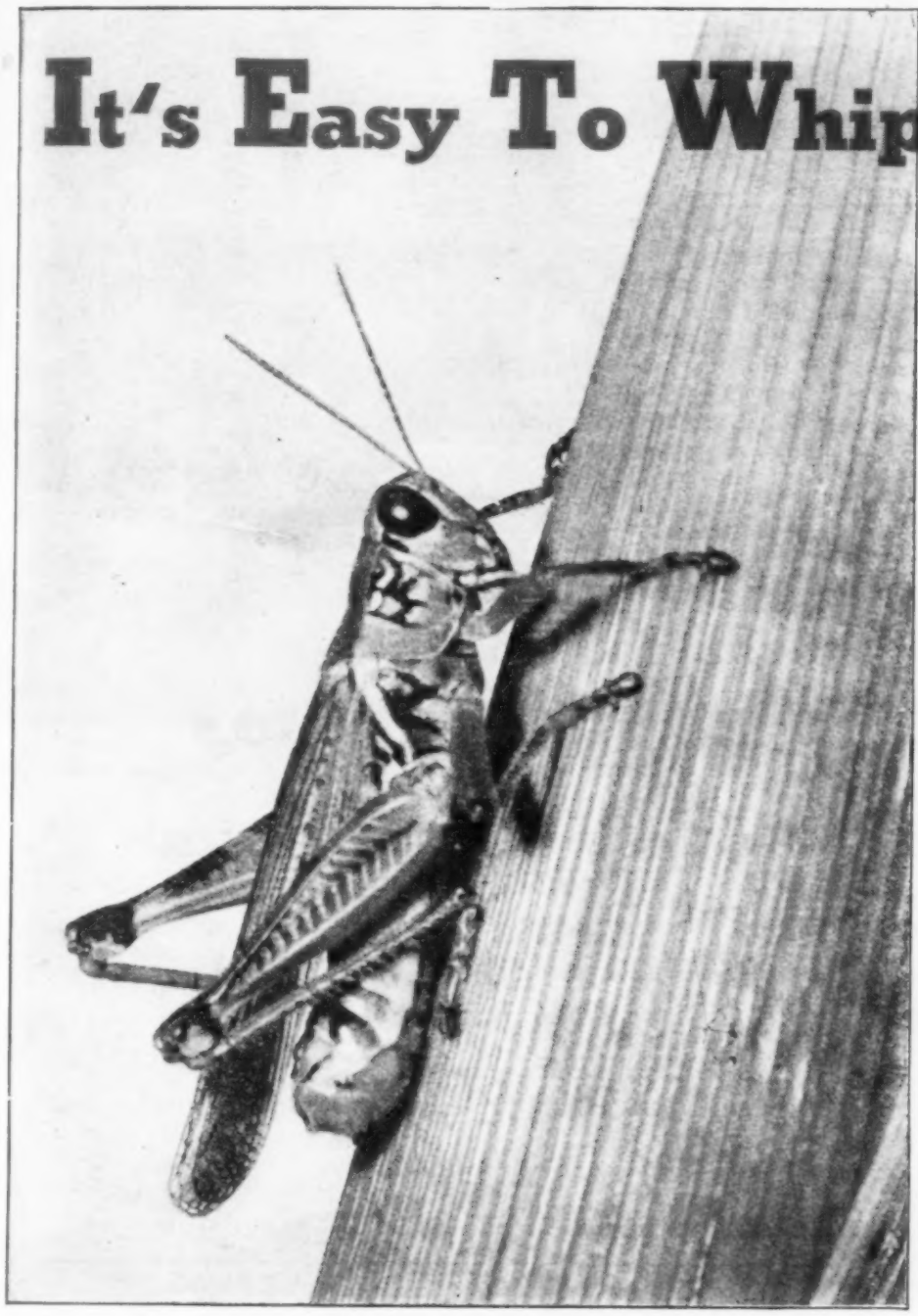
WALLACES' FARMER AND Iowa Homestead

*Good Farming* *Clear Thinking* *Right Living*

# It's Easy To Whip 'Hoppers



GRASSHOPPERS are fairly easy to control. Feed them chlordane or toxaphene. They probably will do serious crop damage in many parts of Iowa unless they are controlled.

Reports of damage already are being received by state entomologists. But this crop loss need not occur. Even if you didn't treat the baby 'hoppers, you can still lick them.

Two chemicals will do the trick. One pound of actual chlordane or one and a half pounds of actual toxaphene per acre kills 'hoppers. You will find control measures profitable if you can count 10 grasshoppers every time you take a step in infested areas.

Protect your crops by treating infested areas. Most farmers prefer aerial or ground spraying, tho dusting has also given good results.

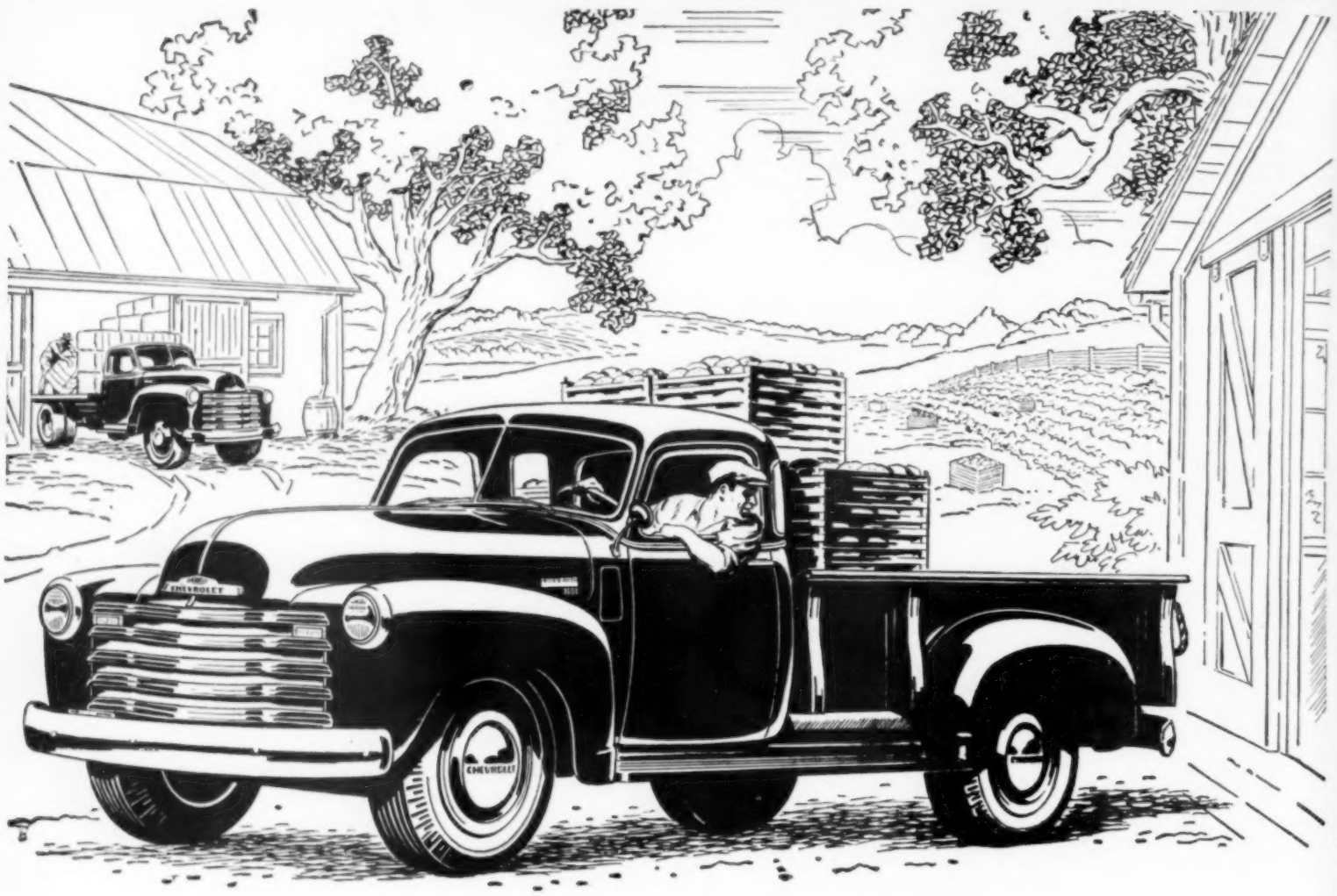
In southwest Iowa, farmers saw the benefits of control measures in 1948. In areas where 'hoppers were worst, treated corn fields outyielded similar untreated fields by 15 bushels per acre or more.

In hay fields, it might be wise to mow the hay and then treat the stubble. That keeps chlordane or toxaphene residues off that cutting of hay. Don't pasture treated areas for three weeks, and don't feed treated forage to your dairy cows.

Turn to page 14 for more insect-control suggestions.

Heat Is Hard On Your Hogs . . Page 5
Stage Set For Big Corn Crop . . . Page 12
Ice Cream Without Cranking . . Page 28

JULY 16, 1949
IOWA'S LEADING FARM NEWSPAPER

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All up and down the country, farmers are talking about these new Chevrolet Advance-Design trucks and their amazing economy. Here, they'll tell you, is the one truck that has the capacity to handle all of your hauling needs at a big-dollar savings. Feed . . . livestock . . . produce—you can carry them all at lowest cost! And what's more, the money-saving starts the moment you buy them, for Chevrolet trucks sell at the lowest list prices in the entire truck field! And when you add this unsurpassed economy to lasting quality, prize performance and outstanding driver comfort and convenience, it's no wonder at all that Chevrolet trucks are preferred more than any other make!

CHEVROLET MOTOR DIVISION, *General Motors Corporation*, DETROIT 2, MICHIGAN

You breeze over road and field with Chevrolet's new 4-Speed Synchro-Mesh Transmission on Series 3800 and heavier duty models. Shifting is easy, quick and quiet, and speed and momentum can be maintained on grades.

Heavy loads put extra stress on rear axles, so Chevrolet heavy-duty models have the exclusive Splined Rear Axle Hub Connection for added strength and durability.

Hot weather or cold, you enjoy perfect comfort in Chevrolet's famous Cab that "Breathes"*. Outside air—heated in cold weather—is drawn in and used air is forced out!

Here are trucks that handle the heavy work with ease, for there's power to spare in Chevrolet's Thrift-Master and Load-Master Valve-in-Head truck engines as well as prize-winning economy.

Foot-operated parking brake and steering column gearshift in models with 3-speed transmission • The Flexi-Mounted Cab • Uniweld, all-steel cab construction • Full-floating hypoid rear axles on Series 3600 and heavier duty models • All-round visibility with rear-corner windows* • Specially designed brakes • Hydrovac power brakes on Series 5000 and 6000 models • Double-Articulated brake shoe linkage • Wide-Base wheels • Multiple color options.

**Heating and ventilating system and rear corner windows with de luxe equipment optional at extra cost.*

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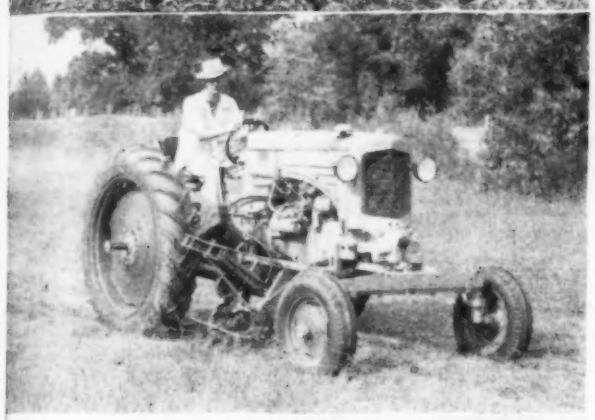
# ADVANCE-DESIGN TRUCKS

# MODERN MACHINES ARE BUILT TO *Get the Jobs done* ON TIME!



Whatever your farming tasks, large or small, MM MODERN MACHINES, VISIONLINED TRACTORS and POWER UNITS will do them all . . . *in time, on time, every-time.* MM quality engineering and heavy-duty construction have made MM MODERN MACHINES, VISIONLINED TRACTORS and POWER UNITS the preference of progressive farmers who look for, and get, more dependability and long life economy in MM. They're BUILT TO DO THE WORK.

*Get all the hay cut and baled on time with MM* . . . with MM Uni-Mowers or MM Side-Mounted Mowers and The Bale-O-Matic. MM pull-behind and side-mounted mowers have fewer moving parts and safety spring release hitch which prevents damage if an obstruction is hit. Follow up the MM Mower with The Bale-O-Matic that gently picks up *all* the hay and automatically packs it into conventional square cornered bales. Bales are tied while under compression with two strands of steel wire. *No loose or broken bales with The Bale-O-Matic. No wire ends left in bales or field! And the tractor operator is the only manpower required.*

*Get all the crop . . . all grain and seed crops with MM Harvestors.* From the Harvestor 69 for small farm operation to the mighty self-propelled powerflow drive model all MM Harvestors have one thing in common . . . the ability to get the crop in fewer man hours and at the lowest cost per bushel. Conveniently located controls for "on the go" adjustments adapt them to operation under all field and weather conditions. They're fast, they're thorough, they get all the crop . . . they're MM MODERN MACHINES for modern methods of farming.

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*MM Visionlined Tractors get the jobs done on time.* High turbulence combustion chambers, easy accessibility, and lower operating and maintenance costs are some of the reasons why progressive farmers look to MM for a good buy in tractors that have proved their performance the world around. They're safety engineered—BUILT TO DO THE WORK!

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Get complete information from your friendly, neighborly, neighborhood MM Dealer and learn of the many advantages of owning MM quality products of proved dependability. Then you'll know why progressive farmers like yourself look for and get *more* when they get MM . . . the trademark of long life economy!

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**MINNEAPOLIS 1, MINNESOTA**

**PROVED DEPENDABILITY . . . LONG LIFE ECONOMY**

# "MY 300 HENS LAID UP TO 270 EGGS A DAY"... *Says Sam G. Helgeson, Redwood County, Minn.*

**"...because I make extra-rich laying rations with my own grain balanced with MoorMan's Poultry Mintrates."**

"If I couldn't make a profit from my eggs, I'd get out of the poultry business," Sam Helgeson says. "To make money, I've got to feed the best—and the most economical—rations I can get.

"That's why I feed my own grain. Sure, it needs a small amount of extra proteins, minerals and vitamins to make a crackin' good laying mash. But I've found I can get these extra proteins, minerals and vitamins—and cut my feed costs to the bone—with MoorMan's Poultry Mintrates."

*Sam is typical of thousands of Moorman customers who combine their own grain with Mintrates.* They make better rations right on their own farms than they can buy ready-mixed—and a whale of a lot cheaper.*

For example, Sam reports, "my 300 hens laid up to 270 eggs a day most of the time and gave me a nice profit because my cash outlay for feed was so low."

**Uses other Mintrates, too**

"I use MoorMan's Cow Mintrate for my dairy cows, and Hog Mintrate 45 for my hogs, too. Since I've been feeding the MoorMan Way, it seems downright silly to even consider any other."

For the feeds you need, but cannot raise or process, see your MoorMan Man. Or write Moorman Mfg. Co., Dept. S-7, Quincy, Illinois.

***MoorMan's makes 6 Mintrates (mineralized and vitamized protein concentrates)—3 for poultry—1 for dairy cows—1 for hogs—1 for range cattle. All balance local feeds—produce amazing money-making results.**

**MoorMan's**

*(Since 1885)*

**MAKERS OF PROTEIN AND MINERAL CONCENTRATES FARMERS NEED, BUT CANNOT PRODUCE ON THE FARM**


WALLACES' FARMER AND IOWA HOMESTEAD, July 16, 1949 (Volume 74, No. 14). Published first and third Saturdays of each month, by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, two years for One Dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the Act of March 3, 1879. Copyright, 1949, by the James M. Pierce Corporation.

**Scoop** as little as possible is the motto adopted by Francis Bierman, of Cherokee county, Iowa. So Mill Operator Mark Garvin pulls into the field and grinds into feeders or storage buildings. Bierman has 245 head of spring pigs; is raising them on clean pasture.

# Heat Is Hard On Hogs

*Provide Enough Shade And Lots Of Fresh Water*

By WALLY INMAN

THIS is another time of the year when the extra attention you give your pigs pays off in faster gains. Check the waterers frequently. Build enough shade for all the pigs. Put the waterers close to the feeders. Fight dust and mud-holes.

Usually, it's the biggest, fattest hog that dies from the heat. But you can lose growing spring pigs that way, too.

"Next to water, shade is just about the most important thing pigs on pasture can have," says Francis Bierman, Cherokee county, Iowa.

**He tries to build enough shade so all the pigs have room under it. Portable shades are nice because you can move them when dust becomes a problem.**

Bierman's pigs, on red clover pasture, have access to a self-feeder. Then he slops them at night. In the mornings, he gives them a bushel or so of shelled corn in a trough.

"I always figure the slop is kind of an appetizer in hot weather," he says. "In addition to shade, a wallow is nice in hot weather, but I don't have any.

"These plank wallows were good to fight skin diseases," he points out. "But this new BHC (benzene hexachloride) will almost cure mange overnight. So you no longer need a wallow for that."

There he agrees with Stokes brothers, of Plymouth county, Iowa. Gordon and Carleton Stokes no longer use the concrete dipping tank they built alongside the feeding floor.

They pen the pigs on the feeding floor, back up with the tractor-mounted sprayer and soak the pigs with BHC spray. You want to let the pigs mill around over each other, so every part of their bodies gets a dose of the chemical, they point out.

"That saves a lot of work, and gets rid of the mange," say the brothers. They divide their spring pigs into age groups of about four litters each. Each bunch has the run of a two-acre pasture. They put the feeders and waterers on the fence line so the two pens can use the same equipment.

Water usually is a problem for men who raise hogs on clean ground. The waterers should be close to the feeders. Pigs will eat a little, then drink and eat some more.

Don't make them run after water. Pigs slobber a lot of ground feed into the waterers, too. So check on the waterers and clean them every time you go by.

**Bierman checks his waterers several times a day. Sometimes he takes a bucket and dampens the ground under the shade when he checks the waterers.**

Make sure you have enough waterers for the pigs—and plenty of feeder space if you want fast gains. You should have a waterer for every 25 growing pigs. And figure three pigs to each running foot of feeder space.

Of course, if you have waterers like Roger Eyres, Plymouth county, Iowa, you won't need so many. The 1-for-25 pig figure is on the basis of the ordinary small waterer.

But he uses old range boilers cut in two. Cross-pieces are welded on the top so the pigs can't lie in the trough. A valve and float at one end controls the flow.

**"I made these to use along fence lines, so several pigs could drink on each side of the fence," he says. "But they work fine anywhere."**

Eyres is another advocate of garden hose for connections around waterers. It doesn't break easily. And with standard couplings it's easy to hook up a waterer or move it to a hauling or supply tank.

Plank floors under waterers help prevent mud-holes. And floors under feeders prevent some waste. One popular type of feeder among these hog men holds a couple of hundred bushels.

That makes for less frequent grinding or filling. It also provides a sheltered place for the pigs to eat. The roof overhangs the feeding space. That's good in either rainy or sunny weather.

Dust is always a problem. One answer is to have everything portable so you can move from time to time. That's not always possible. Others use old crankcase oil to bind the dust under the shade and in the houses. Out in the sun, oil-caked soil can get plenty hot.

**Remember** how pleasant it feels to step from a sweltering hay field into the shade of a big tree? On hot days, hogs need shade, too. These 98 winter pigs Ed Schnell, of Tama county, Iowa, is feeding get plenty of shade in the cottonwood grove.

# Editorials

### Will You Sell Those Bred Sows?

THIS is the time when a farmer looks at the present market for sows, guesses at the spring market for pigs next year, and wonders whether he should keep his bred sows or sell them.

Here are some things to consider:

1. Eight million more spring pigs are going to hit the market this coming fall and winter than last year. And the market they will hit will be weaker. Pay rolls will be down.

2. By the time the fall pigs of 1949 come on the market, storage supplies of pork are likely to be high. And there will be three million more fall pigs than there were this season.

3. Nobody knows what support prices on hogs will be next spring. Present pledges of support end in March. If a farmer knew that 90 per cent of parity (around $16) were to be continued, and that congress would approve production payments, that would help him make up his mind. But he probably won't be sure on either point until later.

4. If a farmer can seal corn at $1.25, he'd better seal and sell to the government instead of feeding fall pigs. But if he must choose between selling "free" corn for 80 cents or feeding corn to fall pigs, then he might figure he could get better than 80 cents by feeding.

Wallaces' Farmer and Iowa Homestead would sum it up in this way: If you're an experienced fall pig raiser, with good equipment, go ahead with your usual production. But this is no year for a greenhorn to start in, or for anybody to raise a lot more pigs.

### What We Used To Call "Fly-Time"

DAIRY cows used to have a tough time in late summer. Blue grass pastures were eaten short. The flies were bad. Milk production went down.

How is it this year? With methoxychlor and DDT, the flies shouldn't be too much of a problem.

Fewer farmers count much on permanent pastures in late July and August. Rotation pasture helps some. Other farmers start on silage, begin digging out the hay, and step up the grain feeding.

Summer milk production—for several years past—has been good. Fewer flies and more feed provide the explanation.

There's plenty of feed and plenty of fly spray this summer. Keep the cows producing—even if it is what we used to call "fly-time."

### Nearly One-Fourth Are In Iowa

FARM sows this year have turned out the third biggest spring pig crop in history, and 15 per cent more than in 1948. Where do all these pigs come from?

As usual, from the corn belt. And from Iowa. Iowa by itself has 23 per cent of the nation's spring pig crop.

Iowa, by itself, is raising 2,101,000 more pigs than last year. All the 35 states outside the corn belt have increased only 1,236,000 head.

## Cooler Kitchens

**Meals are better, take less work, because the old-fashioned range isn't used on hot days. On Iowa farms, 70 per cent of the homes are now equipped with gas, electric or oil stoves. Above, Mrs. J. L. Valerius, Polk county, Iowa, shows how a modern oven works.**

### Wheat From Our Next Dust Bowl

WHAT should we do with our surplus wheat? The export deal looks as if we might get around $1.80 a bushel for sales abroad. But the loan figure is $1.96.

The government will take a loss on every bushel bought and shipped overseas. That loss will get bigger in 1950.

For a while, we are willing to pile up wheat as a reserve against drouth or war or both. But this year's crop may give us about all the reserves we need. Then what?

Probably a lot of western wheat land should go back to range before the next dry spell makes it into a dust bowl. But nobody has figured just how to do it.

### More Work By Machines Than In '45

WHAT have been the biggest changes in the farm machinery field since 1945? A survey by the BAE measures the changes in the numbers of machines on farms from 1945 to 1948. Here are some of the biggest shifts.

| | 1945 | 1948 |
|---|---|---|
| Tractors | 2,422,000 | 3,250,000 |
| Combines | 330,000 | 540,000 |
| Corn pickers | 168,000 | 310,000 |
| Milkers | 379,000 | 660,000 |

Iowa has more tractors than any other state. One-fourth of all corn pickers are on Iowa farms.

Wisconsin leads in number of farms with milking machines. Four out of every ten Wisconsin farms are so equipped.

### Too High For California, Too Low For Georgia

HERE is one of the problems which makes a farm program hard to figure out: Parity for cotton is 31 cents in both Georgia and California.

Yet California raises cotton on big ranches on irrigated land, uses lots of machinery, and gets a yield of 572 pounds per acre of high-grade cotton.

Georgia raises cotton on little farms, on land that has been heavily farmed for a long time. Lots of hand labor and little machinery. Yields average 279 pounds per acre of lower-grade cotton.

For the California cotton man, a price of 31 cents a pound is a big profit. For a small Georgia cotton grower, a price of 31 cents a pound just barely lets him get by.

What should the government do? Stand aside? Then cotton prices will drop away down. The California man will survive and the Georgia man go broke.

Or should the government keep prices where they are, and enrich the California grower at the tax-payer's expense?

Plainly, neither of these methods sounds sensible. Maybe the support price should be lowered to a point fair to the efficient producer. But give the small producer help in shifting to other crops, enlarging his farm, or moving to a town job.

Maybe some other answer is better. But you can see the cotton man has no easy task in figuring out a program that will take care of all cotton producers.

Corn and wheat have their problems, too. But they still look easier than cotton.

### Second Brood Of Borers Is Coming Up

THAT mussy appearance in your corn fields which you may see as you walk thru them is the result of the first corn borer attack. Broken leaves, dangling at the side of the stalks; holes in the stalks with borings sticking outside; now and then a broken tassel.

You may find full-grown and partly-grown worms still boring into the stalks. But some worms may have formed silken webs around themselves. They look lifeless in the pupa stage. But soon another moth will burst from the cocoon.

This time, the moth lays eggs on the greenest corn to be found. Your early fields bore the brunt of the first attack. The late fields will catch it this time.

Watch for the egg masses. You may want to spray or dust again.

Second-brood worms may bore into the ear or into the shank. But borers move from one place to another. As second-brood worms become adult, they tend to move to the lower part of the corn stalk. Many find winter quarters there.

Take note of your own experience with borers this year. Also notice what has happened to your neighbors' fields.

When were the hardest-hit fields planted? What was the effect of spraying? At what time did spraying do the most good?

This information may be worth many bushels of corn to you next year or some other year.

### Lots Of Pigs To Sell Early This Year

THOSE spring pigs came early this year. Look first at the percentage of spring pigs arriving in each month in 1948 and 1949 in Iowa:

| | 1948 | 1949 |
|---|---|---|
| December | .4% | .4% |
| January | .6 | .9 |
| February | 3.5 | 6.0 |
| March | 23.5 | 27.7 |
| April | 45.0 | 44.4 |
| May | 27.0 | 20.6 |

But pigs came still earlier in the eastern corn belt, and in the United States as a whole. Here are the percentages of the spring pig crop arriving in each month in Indiana and in the United States in 1949:

| | Indiana | U. S. |
|---|---|---|
| December | 2.0% | 3.3% |
| January | 4.4 | 5.2 |
| February | 20.5 | 10.9 |
| March | 39.2 | 29.0 |
| April | 24.1 | 34.1 |
| May | 9.8 | 17.5 |

Look at those March pigs. How many of them will hit the market in late September and early October?

### Folks Out Of Work Like To Eat, Too

UNEMPLOYMENT is up to three million and more. But employment is still almost to record levels.

There are just more people around looking for jobs.

What happens when they don't find jobs? One thing is that they drink less milk, eat less butter and less meat.

That's why unemployment insurance is keeping up consumption of farm products and helping farm product prices.

Unemployment insurance is insurance for farm income, too. Farmers need to have it continued.

## "Even A Horse Kicks"

**WE'VE been getting reports on how well some of these father-son partnerships work. The old folks stay on the farm. Son and wife live there, too.**

**But there is another side to the story.**

**One investigation of a group of cotton farms shows that a father-son farm doesn't do as well as a farm where the boy goes off and runs it by himself.**

**Why? Maybe the old man drags his feet. Maybe the boy can't take suggestions. Maybe two rugged individuals just can't get along.**

**We've had comments from readers on this same point. Here are some:**

**"Let the old folks move to town and the boy run the place."—Story County.**

**"I don't say 'Move to town,' but the old folks should at least move off. Even a horse will kick if another crowds him too close. Better live apart."—Tama County.**

**But an older farm woman, in Johnson county, sees it differently: "I don't see why Dad and I shouldn't have a little house here on the farm. We've worked and paid for this farm, and we prefer to stay here."**

**What do you think? Short letters to the Voice of the Farm will be welcomed. Can father-son partnerships work on the farm? Or do things go better when father and son don't live on the same farm?**

# Odds *and* Ends

WAR against flies isn't won in one battle. Keep spraying with DDT around the house and barns—but not in the milk house or dairy barn.

FARM mortgage debts in Iowa went down 17.5 per cent from January 1, 1946, to January 1, 1949. For the U. S. as a whole, farm mortgage debts went up 9.1 per cent in the same period.

DR. W. G. Murray, of Iowa State College, also points with pride to the fact that land values in Iowa in March, 1949, were only 154 per cent of the 1912-14 figure. For the U. S., land values were 175 per cent of 1912-14.

YOU can still kill weeds. Late-starting weeds will be growing fast, and 2,4-D will knock them. Watch out for tough perennials that are struggling back to try to seed.

FARM product prices, on a national average, were 103 per cent of parity in June. As most farmers remember, parity is the relationship between what farmers get for what they sell and what they have to pay for what they buy.

HOW many people are living on farms now, as compared with 1940? The census says farm population has gone down 9 per cent. The January, 1949, total was 27,776,000.

DON'T worry about the Atomic Energy Commission sending radio-isotopes abroad. What you do with the radioactive isotope of phosphorus, for instance, is to find out how fast this kind of fertilizer is used up by plants.

"NO competent scientist would suggest that these materials have any connection with the manufacture of atomic weapons," says the Federation of American Scientists. "They have been available in limited quantities everywhere for a decade."

WHILE a 40-day drouth has burned up crops and grass in parts of New England, Colorado reports an all-time June rainfall record, and a wonderful stand of grass on the range.

IT'S a big country. Most people remember 1936 as a drouth year, but some eastern corn belt farmers remember it as the year they bought western cattle cheap and made money.

TWO weeks more and the corn crop will be over the hump. If corn looks good August 1, it usually shucks out good in November.

## *Song of the Lazy Farmer*

MY NEIGHBOR gives three rousing cheers about the way, in recent years, a lot of sweat's been saved 'cuz he has stocked up on machinery.

He claims that farmin's really grand if you don't have to milk by hand; he says it's just a horrid dream to think of plowin' with a team, that there ain't anything can beat just sittin' on a tractor seat where you can give a little pull and scoop the doggone spreader full. But best of all, he says, is how you can move hay from field to mow almost without a single pain or worryin' about the rain.

Now, I agree with neighbor's quest to save some time and get more rest, but I ain't sure his scheme's the one that's best designed to get that done. For one thing, he's got lots of dough tied up in fancy rigs that go right thru the field in half a day to cut and windrow up his hay, then bale or chop it up and get it in the barn without no sweat, and I'll bet he works half the night to keep that stuff all runnin' right. The old-time system is the best, it gives me lots more time to rest; the way Mirandy pitches hay, it doesn't take long anyway.

**Heavy** rains used to send water over the railing of this bridge. A complete SCS plan on half the land drained by small creek slows run-off water. Creek stays well below floor of bridge now, says Vern Honnold, Madison county, Iowa.

# Make Haste Slowly

***Soil Saving Is Slow, Hard Work You Can't Do It Overnight. But It Pays.***

SOIL saving is slow, hard work. You can't do it in a day or a year. You do well to put a complete soil conservation plan on your whole farm in five years. It's more likely to take 10 or 15 years.

That's the experience of men who started working on a soil conservation plan for their own farms 12 and 15 years ago. Many of these men were well on their way before local soil conservation districts were established to give them help.

As a matter of fact, it may be best to do the job over a period of several years. It's less expensive; returns are just as great; often you avoid costly mistakes.

**Take the matter of gully control, for example. You may need terraces. It will be wise in most cases to spend a year or two establishing firmly sodded terrace outlets, says Charles O. Nelson, Union county, Iowa.**

"You have to think ahead," he warns.

He was one of the pioneers in soil conservation and pasture improvement work in Union county. He now is one of the district SCS commissioners.

"Don't attempt to do the more technical things like laying out a terrace by yourself," Nelson warns. "Get SCS help." He suggests, too, that you might have to consider changes in your livestock program as you adopt soil and water saving rotations.

You may have to figure out some way to utilize a lot more rough feed.

Then, after you get the field terraced and farmed on the contour, or in strip crops, you come to actually working on the gullies.

"Go slow there, too," warns Vern Honnold, Madison county, Iowa. "You are bound to have small terrace breaks and maybe small washouts in the gully you've filled. If you got too ambitious, you'll have more new work than you can keep repaired.

"If such breaks and washouts aren't fixed immediately, you may have to start over. So do only what you can handle each year," Honnold advises.

He speaks with the authority of experience. About 15 years ago, he started with 50 cents in cash, almost no livestock or equipment, and plenty of guts, on a farm that had been eroded right down to nothing.

His first corn crop on 49 acres was a grand total of 150 bushels. He lost plenty of seed trying to get legumes started. He has worked as long as two weeks at a time, plowing in just one gully.

**"Some little thing, like not leaving a water-way wide enough, or kicking the plow out of the ground at the same place every time, can start a new gully and spoil your work," Honnold says.**

Today, Honnold's yields compare with yields produced in fertile Grundy and Wright counties. Whatever the farm is now worth is due to his soil conservation and hard work.

He knows better than to expect miracles overnight.

Or you can visit with a man who has tried the job both ways. Ben Cole, Clarke county, Iowa, was host to thousands of visitors when his farm was rebuilt, a year ago. "It looks nice now," he says. "It's just the way I want it, and I'm glad I had the opportunity to give soil conservation a boost.

"But what the people didn't see was 10 years of work that went on before we were ready for the final rebuilding. Or the thousands of dollars' worth of lime and phosphate and legume seed that went onto these fields to get them productive enough to be worth rebuilding.

"The one-day job cost me several thousand dollars. I could do it myself, slower, year by year, and end up at about the same place. Probably at less expense and with a cash profit from each improvement," he says.

**In soil conservation, as in anything else, it's important to get first things first. The pieces of soil conservation on an average farm eventually come together like a completed jig-saw puzzle.**

Then you have the job done. You save your soil and soil fertility. You get bigger yields with less work. And you end up with more profit.

But, like a jig-saw puzzle, it sometimes is hard to figure out where to start. Contouring and pasture improvement are good beginning points. They both bring almost immediate returns.

Good soil-building rotations, drainage, lime, phosphate and complete fertilizers are other pieces of the picture. You can count on quick returns from them, too.

**The over-all guidance should come from the experts in your local conservation district. They can't do all your work, nor even make you a confirmed soil-saver. But they can provide the planning and help to prevent mistakes.**

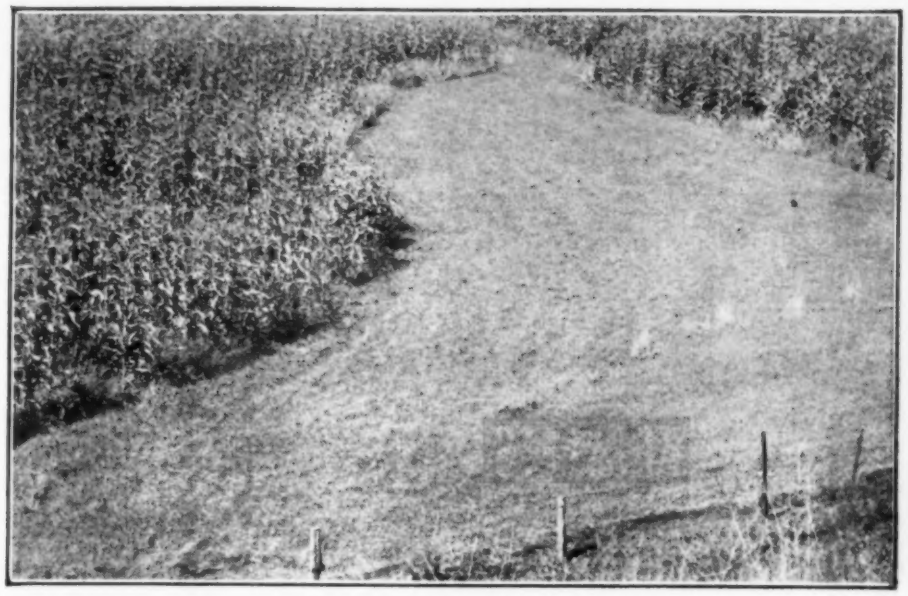
You may need a pond, or terraces, or gully control structures. Maybe the county road is an erosion problem in itself. In cases like that, the assistance of SCS men is invaluable. So is their help in the over-all planning.

Maybe it's time you went to see them. Why get a late start on such a difficult and important job?

**Call It** slough grass, rip-gut, or any other name you have for it, this stuff has Reed canary grass cheated 40 ways for Sunday when it comes to stopping a gully, says Vern Honnold, Madison county, Iowa. It is easy to start, doesn't kill out, doesn't spread into cultivated fields, can take all kinds of dry weather, and really holds the soil, he says.

# Now's The Time To Start

Why have a soil-robbing gully like this . . .



. . . when grass water-ways will slow the run-off, hold good soil where you want it?

You can lose a lot of soil after a hard rain . . .

. . . or save it with conservation practices such as the improvement of old pastures.

Extra profits from this kind of farm layout will pay you for your efforts. Conservation farming means better living, too. Suppose you're a hunter, for instance. Plantings of . . .

. . . multiflora rose can mean more cover for game birds, and more pleasure for you.

**Poultrymen! Boost profits with milk protein this new, easy way!**

**Feed KRAYLETS—80% milk products* in handy, thrifty dry kernel form!**

Now give flocks the most *efficient* protein you can buy for animals—nutritious milk protein—in the easiest, most economical way ever developed! Feed Kraylets, 80% valuable milk products in dry kernel form.

No liquids or pastes to mix. Kraylets is convenient, highly concentrated *dry kernels!* Use just a small amount in regular poultry rations.

**Add Kraylets to pullet rations now for money-making fall results!**

To promote big egg production this fall, feed Kraylets to your growing pullet flocks right now.

Kraylets users report tremendous benefits from feeding these valuable milk products to birds on range—vigorous health, rapid economical growth. And Kraylets' *milk protein* and *milk minerals* help develop sturdy, deep-framed layers for top egg production!

*Hog raisers!* Encourage your growing hogs to eat by adding Kraylets to summer rations. Kraylets, with powerful hog appetite appeal, helps beat hot weather slump in feed consumption—helps you bring hogs to market sooner at *less* cost!

**Kraylets' open formula contains 80% concentrated milk products!*

The milk products in Kraylets are 65% cheese whey solids, 9% cheese solids, and 6% dried skim milk. The rest of the formula consists of 14% soybean oil meal, 4% alfalfa meal (dehydrated), 1% dried brewers yeast, and 1% edible beef tallow.

**Find out about profit-boosting Kraylets from your dealer today!**

*or write:*
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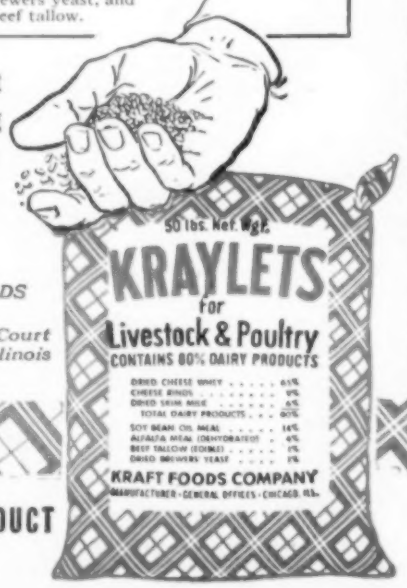
*500 Peshtigo Court*
*Chicago 90, Illinois*




**A KRAFT PRODUCT**

**Dusting** corn fields by air has been a familiar sight in Iowa lately. Raymond Breazale, of Henry county, Iowa, is piloting a plane over a corn field of Theo. Schinstock, of Lee county, Iowa.

# INSIDE STUFF

**MOST FARMERS** I've talked to lately say the corn this year looks better than a year ago. But nobody will bet that the yield will add up larger on November 1.

▲▲

**"IT'S ALL RIGHT so far" is the stock comment. But a fellow always wonders about corn borers, grasshoppers and August drouth.**

▲▲

**NOBODY** is worrying much about an early frost. Most corn is ahead of the season.

▲▲

**MRS. HERBERT F. Hoover, of Mahaska county, Iowa, writes me on the question: "Is it persecution merely to require that conscientious objectors register for the draft?"**

▲▲

**SHE SAYS:** "I am the wife of a man who has served nearly six months of an 18-month prison sentence, leaving me with the responsibility of two baby daughters and management of a 343-acre farm.

▲▲

**"I WOULD LIKE to answer that it may not be persecution to ask a man to do something which he believes is wrong and detrimental to democracy, but to put a man in prison for his beliefs fits my definition of the word."**

▲▲

**HERBERT F. HOOVER** made a fine record in FFA and is an able young farmer. The draft act is practically a dead-letter now. I hope Hoover gets a parole now and a pardon later.

▲▲

**WHEN YOU LEAVE Des Moines to fly north, the oat fields are bright yellow squares. The yellow fades back into green as you leave central Iowa south of you. The country looks like Grandmother's quilt.**

**LIKE TO WORRY?** Then note that unemployment is up to 2,778,000. Like to feel good? Then note that employment is up to 59,619,000.

▲▲

**HOW MANY of your neigbors have had any experience before 1948 in farming on a declining market? A survey of 10 southern Iowa counties shows that 26 per cent of the operators in those counties didn't know what a price drop was like until the last year.**

▲▲

**H. H. KILDEE,** retiring dean of Iowa State College, is keeping up the good work he has been doing on carcass grading. This is what he told a group of livestock men in Illinois:

▲▲

**"TODAY, we need to establish and recognize by price differentials a logical system of grading market hogs on foot, or pay for hogs on a basis of their actual carcass yield and quality."**

▲▲

**ANOTHER CHEERING** note for worriers: In 1929, private debt was 154 per cent of national income. But by 1947, it was down to only 85 per cent of national income.

▲▲

**TO THE READER who asks me: "Did you get any cherry pie this year?" the answer is: "No. The birds got to our trees first. They like their cherries just a little greener than I do."**

▲▲

**WE DID BETTER** on raspberries, altho our fine crop of grasshoppers chewed up some berries as well as a lot of leaves. But our sweet corn and tomatoes are doing fine.

DONALD R. MURPHY.


**WALLACES' FARMER AND IOWA HOMESTEAD**
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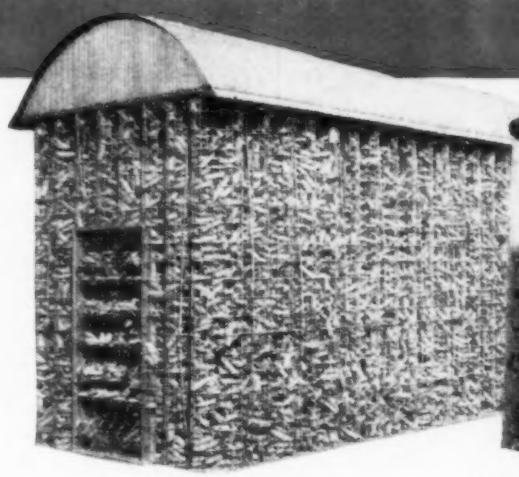
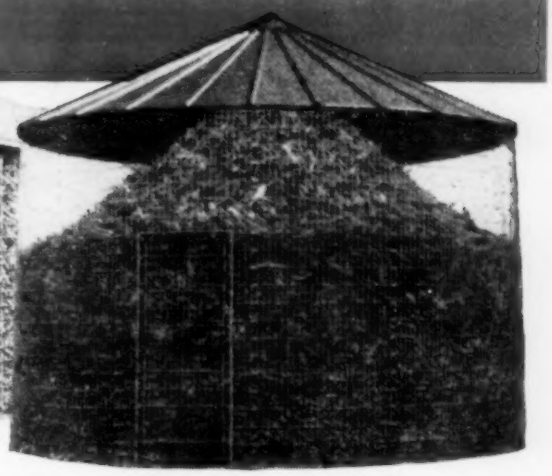
# Your Corn Deserves the Best

## All-Steel Bar Mesh *Behlen* CORN CRIBS





### Utmost Ventilation

Mesh design allows greater through-circulation. Permits safe cribbing with higher moisture content.

### All-Steel Construction

S-t-r-o-n-g! Made of No. 2 (¼") gauge bars welded to form a 2"x6" mesh. Will outlast any ordinary farm building.

### Galvanized After Welding

Positively rustproof. Completely galvanized after fabrication.

### Ready to Erect

Completely prefabricated; everything furnished. Man and boy can assemble in few hours.

### APPROVED

Hundreds of thousands of bushels of corn are sealed under Gov't. loan program in Behlen Cribs.

**RECTANGULAR CRIB** is finest money can buy. Sturdy bar mesh corrugated for additional strength. Aluminum roof. Easy to fill or empty. Comes in 4-ft. sections. Capacity is figured at about 40 bu. per foot of crib length. A crib you'll be proud to own.

**STEEL BAR ROUND CRIB** is amazingly low in price per bushel capacity. Made of Behlen heavy steel bar mesh; not ordinary wire. Available in three heights. Capacity of 10-ft. height is 1000 bu.; 15-ft., 1440 bu.; and 20-ft., 1885 bu. Comes in 4'x10' and 4'x5' sections. Steel or tarp roof. Peak removable on steel roof for filling. Easy to empty through door. A permanent crib at "temporary" prices.

**COMPARE! . . .** Before you buy any crib, compare it first with a Behlen All-Steel Bar Mesh Corn Crib. Match it point for point with a Behlen. Check the construction, cost per bushel, appearance, ventilation design, wearability, upkeep required, etc. On any point, we challenge you to find a crib that gives you all the modern storage advantages of the Behlen Corn Crib. . . . We say compare . . . and you'll buy Behlen.

## Order Your Crib Today From Your Local Behlen Dealer

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*Behlen*
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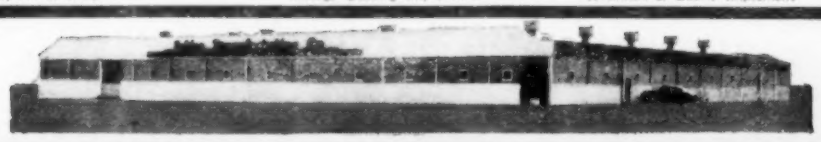
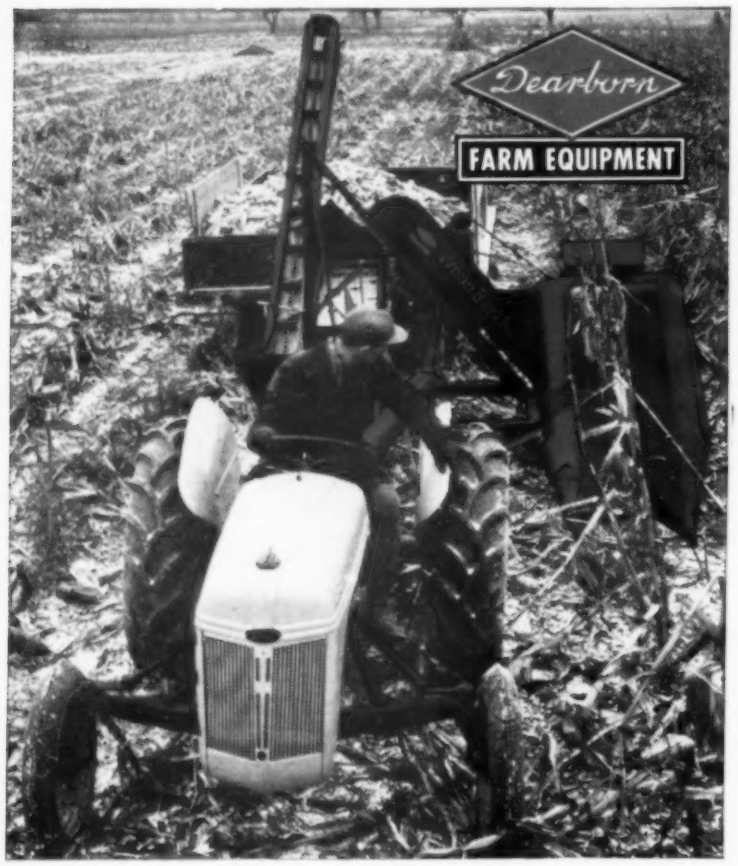
**COLUMBUS, NEBRASKA**



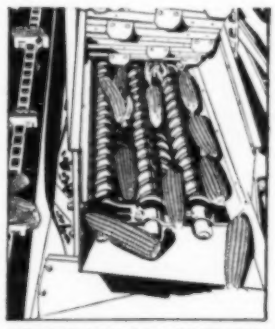
# DEARBORN-WOOD BROS. CORN PICKER




## For More Profit from this Year's Crop

**With a Dearborn-Wood Bros. pull type picker, you can harvest your corn at a lower cost . . . and lower cost means more profits. Your initial cost is less . . . No taking time out for mounting and dismounting . . . No tying up the tractor during picking season. And the extra wide husking bed with long rolls gives plenty of capacity for fast going.**

**Yes . . . With less initial cost, . . . cleaner corn, . . . more of it, . . . and fast going . . . you'll certainly be money ahead with a Dearborn-Wood Bros. picker.**



**THE LARGE HUSKING BED** permits every ear to "roll" so the husks can contact the rollers and be removed. That's why the Dearborn-Wood Bros. picker is famous for clean corn . . . and clean corn means less spoilage.

**THE EXCLUSIVE WOOD BROS. ROTARY SNAPPING BAR** removes the ears from the stalks without unnecessary shelling. So you get more corn in the crib and less shelled corn on the ground.

Ford TRACTOR

**DEARBORN DEALERS OF IOWA**

*Headquarters for*

**FORD TRACTORS**
**DEARBORN FARM EQUIPMENT**
**PARTS AND SERVICE**

*Ford Farming* MEANS LESS WORK... MORE INCOME PER ACRE

**June Weather** was good for the corn crop. The warm weather put the corn ahead of schedule. Rainfall was above normal, and made up for part of the deficiency in May. Hot and wet Junes have been followed by good corn crops in the past.

# Stage Set For Big Corn Crop

***June Was Hot And Wet; That Has Meant Big Corn Crops Four Years Out Of Five***

BOTH farmers and weather experts figure June weather shows what kind of corn crop we'll have. You often hear statements like these:

A dry June makes clean corn and a good crop. A cold June makes soft corn. A warm June makes high-quality corn. A hot, dry June is followed by a hot, dry summer and a poor crop.

Weather and crop records support most of these notions. But there are exceptions.

**Last year, in Iowa, we had a dry June and the biggest corn crop on record. That supports the dry-June theory. But we have had big corn crops with rainfall above normal. It would be more accurate to say that very wet Junes are bad for corn.**

Cold Junes have always made soft corn in Iowa weather history—with two exceptions. A late frost date can hardly make up for lost time in June. For the same reason, warm Junes get the corn ahead and quality is good.

A hot, dry June has always meant a hot, dry summer in 74 years of Iowa weather records. This seems to be the common statement most easily supported by weather and crop figures.

In six years, Iowa temperature was four degrees or more above normal in June. In each of those years, rainfall was more than one inch below normal, with some of them as much as three inches short. Four of the six years had poor corn crops.

The years with hot and dry Junes followed by hot and dry summers were 1894, 1911, 1921, 1931, 1933 and 1934. Hot and dry summers can occur when June is only warm and dry, as 1936 shows. But hot and dry Junes seem to tip off drouth years.

But what about June, 1949? This year, June was hot and wet. What kind of a corn crop does that mean?

First, let's look at last month's weather. Temperature was about four degrees above normal. Only four or five Junes have been hotter. Rainfall was about one inch above the 74-year average (normal).

We have had five Junes that were very similar to June of 1949. They were 1890, 1919, 1932, 1943 and 1944.

In three out of the five years when June was hot and wet, the four summer months were also hot and wet. These were 1932, 1943, and 1944.

In 1919, a summer with normal temperature and dry weather followed a hot, wet June. In 1890, a cool, dry summer followed a hot, wet June.

**The records show that good corn crops followed every June that was wet and hot except in 1890. In that year, the Iowa average was 28 bushels. But that wasn't as low for that time as it sounds now.**

In 1919, the corn yield was 41.6 bushels per acre and in 1932 it was 43 bushels. That was good for the pre-hybrid days.

In 1943, the corn yield averaged 55 bushels for Iowa. In 1944, the average yield was 52.5 bushels. These were bumper crops. Only three times have either of them been exceeded.

The three bigger crops were in 1942, 1946 and 1948. It is interesting to note that in 1942 and 1946 June was slightly warmer than normal and rainfall was about the same as this year—a little above normal. June of 1948 was dry and a little cooler than normal.

A look at all of these years would seem to show that a hot and wet June sets the stage for a good corn crop. But we'll still have to have rain at tasseling time.

# OUTSIDE STUFF

I'VE noticed more and more fellows raking double windrows where they use a pick-up baler. That's the way Orville Seegmiller, Benton county, Iowa, was doing. His brother, Reuben, and Warren Sawyer were doing his baling with their pick-up baler.

• • •

THE bigger windrows mean less baler travel. You can pull the baler over rough ground at slower speeds and still keep the baler working near capacity.

**First cutting of alfalfa on this 2½-acre field yielded 173 heavy bales. Ariel Knapp (left), Ringgold county, Iowa, farmer, is explaining his experiment to Doyle Hunter, an SCS technician.**

• • •

KNAPP had seen results with three or four tons of lime per acre on legume seedings. He wondered when you would hit the point of diminishing returns with lime on his farm.

• • •

THREE years ago this fall, he applied 15½ tons of lime on a field that isn't quite 2½ acres. The plot was seeded the next spring. Last year, he took three heavy cuttings of alfalfa, and started 1949 with a first cutting of 69 bales per acre.

• • •

HE NOT only wants to check yields in comparison with alfalfa that has had three and four tons of lime per acre; he wants to see how long the heavy application lasts. To date, yields indicate the heavy application will be very profitable if the benefits from lime outlast the lighter applications.

• • •

IOWA has a lot of "firsts," including one of which we can not be proud. Iowa has more cases of undulant fever than any other state. That reflects, in part, the high incidence of brucellosis in cattle and swine.

• • •

IT EXPLAINS also why the Iowa Farm Bureau recently called a conference of all persons interested in human and animal health to plan a fight on abortion in livestock and undulant or malta fever in humans.

• • •

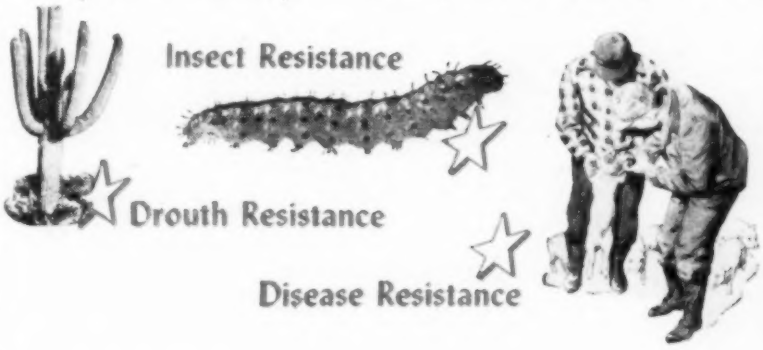
AFTER driving 3,000 miles in Iowa during June, I wonder if our hay shortage is one of poor distribution instead of an actual shortage of hay.—W. D. Inman.

# BIGGER YIELDS

## Of Better Corn Don't Just Happen

Top yield records are made by Funk's G-Hybrids in official contests and on thousands of farms, year after year, because FUNK'S G-HYBRIDS HAVE ALL THE IMPORTANT BRED-IN QUALITIES OF 5-STAR PERFORMANCE.

Check these qualities: Fast Starting . . . Standability . . . Disease Resistance . . . Drouth Resistance . . . Insect Resistance. They are the result of Research that's Nation-Wide and 30 Years Deep. *Plant, compare Funk's G with any other corn.* On your farm, get the BIG HARVEST PAY-OFF. See why the big swing is to Funk's G. Order your seed corn from your Funk's G-Hybrid Dealer today.

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**5-Star Corn Guide for IOWA Farmers**

**This 24-page booklet tells how Nation-Wide Research helps you get bigger yields of better corn. Explains and illustrates the 5-Star Features of Funk's G-Hybrids. This attractive Guide is interesting and important to every corn grower. Illustrated in full natural colors. Describes the G-Hybrid strains best adapted to make top yields on your farm.**

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YEAR AFTER YEAR

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- **All-steel Quonsets meet all C.C.C. requirements for grain storage facilities!**
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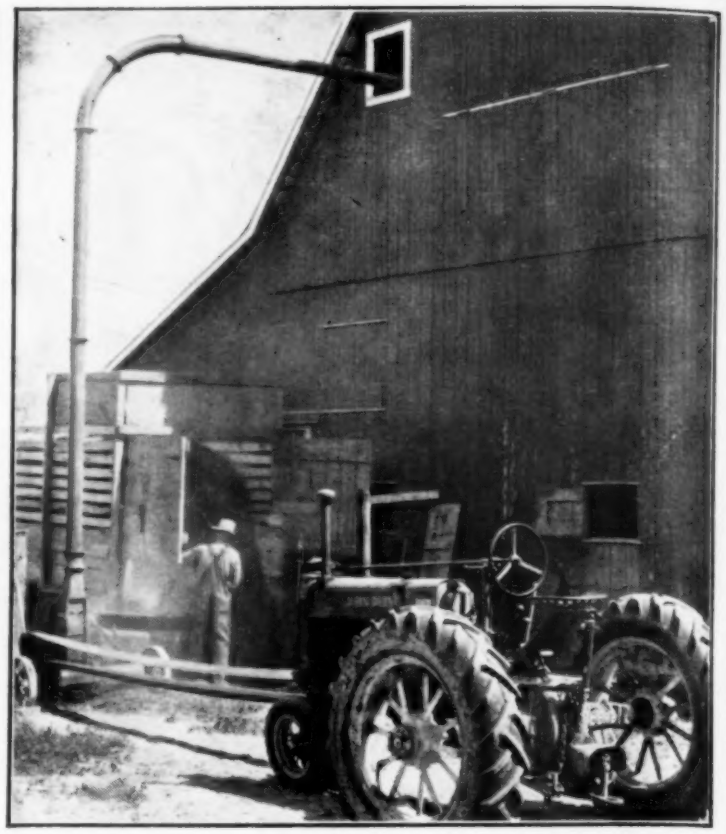


**Swinging** doors for end-gate of chopped-hay rack speed unloading. Glenn Sands, Louisa county, Iowa, has a one-foot-high gate below the doors to allow a small amount to be unloaded first.

# Don't Sit Back And Watch Bugs

### *Time To Fight Grasshoppers And Flies; Be Alert For Second-Brood Corn Borers*

THIS is stable-fly time. He's a tough one to kill. You may think your methoxychlor or DDT is no good because it isn't killing stable-flies.

That's isn't the whole story. The stable-fly is hard to handle because he lights, bites and takes off again. He doesn't stay on the animal long enough to get a lethal dose.

Harold Gunderson, extension entomologist, puts sanitation at the head of the list in battling stable-flies. So first clean things up.

Then continue to use DDT on the outside of your barn, along fences, and other buildings away from dairy cattle. Inside the barn, use methoxychlor.

Then, if you just can't handle the stable-flies by cleaning up the breeding-places, you'll get some benefit from pyrenones or other old-type repellent fly sprays.

**Summer heat seems to wear out DDT faster. So, if you notice other flies, such as horn-flies, give the premises a new DDT or methoxychlor treatment right now.**

Already, reports of grasshopper damage have been received from heavily infested areas. "Probably not more than 10 per cent of the farmers sprayed their 'hoppers while they were small," Gunderson says.

So, for the July battle, be prepared to use one and one-half pounds actual toxaphene or one pound of chlordane per acre. You will benefit from treatment if you can count 10 'hoppers every time you take a step.

That will be especially true as heat dries up fence-row vegetation. Then the 'hoppers will head for crop fields. But don't try to spray very far ahead of them.

Entomologists say you can't guess when or where they are most likely to move. So, if they are only in the first 56 rows of the bean field, treat those 56 rows.

In legume seedings, and in all crops, use the recommended dosage. Many folks have already learned that these potent chemicals would "burn" or kill gardens and flowers. Mix them according to directions.

**Before long now, you will have to be on the lookout for second-brood corn borers, too. Many fellows sat by and let the first-brood borers go unmolested.**

Now their corn stalks are full of borers. Moths of the second brood probably will be flying by the end of this month.

Here are the things to remember in treating for the second brood. You need a higher egg count to justify treatment — 100 egg masses per 100 plants.

You use the same dosage of chemical. Second-brood moths will be most apt to lay eggs on the latest—that is, the youngest and greenest corn they can find.

They lay eggs mostly on the ear, or the leaf above and below the ear. If you can, shoot your spray at those points.

Be on the alert. When second-brood borers start flying, be ready to fight them.

# Service Bureau

## Who Owns Berries In The Road?

**To the Editor: Can anybody pick the raspberries and blackberries that grow in the fence rows and roadside ditches along my farm? I claim they belong to me.—A. H., Hancock County, Iowa.**

In the country, the adjoining land-owner owns the land to the middle of the road or highway. This is subject, however, to the right of the public to travel thereon.

The adjoining land-owner owns all grass, hay and berries growing on the roadside adjoining his farm. No one is allowed to pick them without the consent of the owner.

## People Shoot Into Pasture

**To the Editor: Some people around here are in the habit of shooting guns carelessly near our property. They stop on a bridge and shoot into the pasture where we keep our livestock. Can we take action against them? — Mrs. S. M., Tama County, Iowa.**

If you can get the number of the car that stops on the bridge, you can find out the owner. Then you could bring action against him for damages for any injury done to your property.

You also should report this matter to the county attorney.

## Feed Company Fined $100

**An Illinois feed company has been fined $100 as a result of charges filed by an inspector for the Iowa Department of Agriculture.**

The feed company had been selling meat scraps in Washington county, Iowa. But when the Iowa inspector checked on the scraps, he filed an information charging the company with improper labeling of the bags.

The charge said the meat scraps contained 11.82 per cent limestone, but that the labels did not show the limestone content.

When the Triangle Feed Company, of Lynn Center, Illinois, appeared before Justice of the Peace H. M. Putnam, it was fined $100.

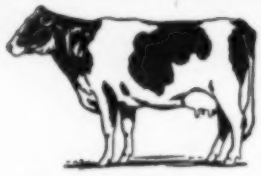
**"Don't cry over it—there is more where that came from."**

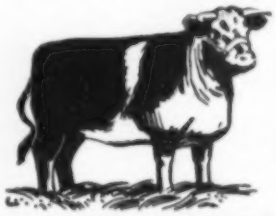
# TOASTED NOT ROASTED

## IN A LIGHT, NATURAL COLOR

"Minnesota"
NEW PROCESS
LINSEED MEAL

★ VITAMIN B-1 ... doubled





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Rugged...Heavy Duty
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corn stalks
cotton stalks
potato vines
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green manure
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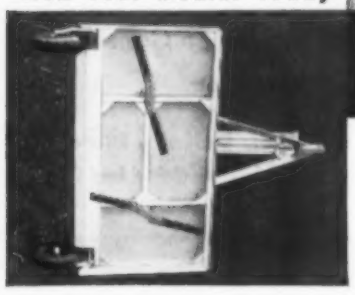

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# Workday Pointers

**CORN BEATS OATS** for pigs you are rushing to market weights. Corn is a more concentrated feed than oats.

▲ ▲ ▲

**LADDERS** won't scratch the paint on buildings if a piece of rubber hose or a piece of an old auto tire is nailed to the upper ends.

▲ ▲ ▲

**WATCH GRAIN** for insect damage if the grain was stored when even slightly damp. Dry, sound grain resists insect damage most.

▲ ▲ ▲

**GRAIN LOSSES** after the combine will be more than two bushels per acre if you find 16 to 18 kernels per square foot on the ground. This rule is vouched for by Ohio Agricultural College engineers.

▲ ▲ ▲

**WATER** is destructive to ropes and canvases on hay and harvesting machinery. If the whole machine can't be put in the shed immediately after use, then the ropes and canvases should be removed and stored in a dry place before rains come.

▲ ▲ ▲

**GRAIN STORAGE** buildings are an investment. They will pay for themselves. With good storage, you (1) can save spoilage, (2) increase the grade and quality of the grain, and (3) pick your market or take advantage of government loans. Each farmer can afford to invest enough in cribs and bins to take care of his usual crop and a good-sized hold-over.

▲ ▲ ▲

**"BEST SAFETY** device is a careful farmer," says the National Safety Council. A careful farmer, among other things, is one who doesn't remove all the safety devices from his farm machines just to make it easy to get at the bearings with the grease-gun.

▲ ▲ ▲

**CONTINUED PLANTING** doesn't cause oats or soybean seed to "run out," says I. J. Johnson, of Iowa State College. Self-fertilizing plants do not change. Mixing with other varieties and new plant diseases are the things to watch for. Mixing of oats or soybeans can occur when the combine moves from one farm to another.

▲ ▲ ▲

**WEEDS** in fence rows help feed grasshoppers, provide shelter for animals, and stop blowing snow in the winter-time. If the weeds are not noxious, some say these benefits, and the labor-saving, are greater than the damage done by the weeds. So some farmers mow the weeds along the roads and let them grow in the back fence rows.

▲ ▲ ▲

**YELLOW COLOR,** spindly stalks and firing at the bottom are signs of nitrogen deficiency in corn. The nitrogen deficiency may be due to the fact that you failed to provide the soil nitrogen by growing legumes and adding manure and nitrogen fertilizer. Or it can be caused by dry weather, which makes the nitrogen in the top soil unavailable.

**WEEDS ARE HEAVY** users of moisture. Use the mower or the plow to keep them down on any land where you expect to make seedings this fall, or where you want to conserve the moisture for any other reason.

▲ ▲ ▲

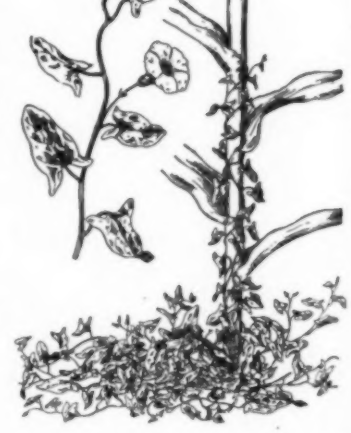
**EVERGREEN** trees which turn brown and lose their needles may be infested with spider mites, says F. Gray Butcher, a North Dakota entomologist. Finely-ground dusting sulphur is suggested as a remedy.

▲ ▲ ▲

**DON'T SIGN** any papers if your income tax report is questioned, unless you are sure that a mistake was made and you owe the extra tax. The internal revenue agents have to give you 30 days to answer, and you can have a hearing.

▲ ▲ ▲

**CREEPING JENNIE,** sometimes called European bindweed, can be distinguished from the ordinary morning-glory in two ways: Creeping Jennie has smaller leaves and flowers than the wild morning-glory, and the wild morning-glory



leaves are more pointed. Creeping Jennie is inclined to make a dense covering on the ground; the wild morning-glory is more inclined to climb on anything available. Creeping Jennie is much the worst weed and the most difficult to eradicate. Treatment with 2,4-D is effective on creeping Jennie, but more than one application is required.

▲ ▲ ▲

**SUNSTROKE** and heat exhaustion are two different things, says the National Safety Council. Sunstroke is caused by too much exposure to the sun's rays. Victim's skin gets hot and dry. With heat exhaustion, the victim's skin gets cold and clammy. A simple rule, says the Safety Council, is this: "If the patient is cold, make him warm; if he is hot, make him cool."

▲ ▲ ▲

**HIGH-YIELDING CLINTON** oats have not proved to be stable. Off-type heads appear which may be taller and later than the majority of plants. Plant breeders at Iowa State College have two solutions for the problem. One is to produce a reselect strain, the other is to produce a new variety to replace Clinton. In the meantime, keep raising the Clinton oats you have as long as they yield well.

# Voice of the Farm

## Wants To Retire Senator

To the Editor: Senator Hickenlooper charged the Atomic Energy Commission with gross mismanagement. But he has not been able to prove his contention with any evidence except a few minor things which would show up in any large organization.

Hickenlooper also has charged the commission with insufficient security of atomic secrets. But several scientists, who know infinitely more about the atomic bomb than Hickenlooper will ever know, have stated that the United States has no fundamental secrets.

Now Senator Hickenlooper tries to whitewash his investigation by saying it has served its purpose. Yes, its purpose of publicity for his re-election in 1950.

Spending the tax-payers' money on an unwarranted investigation should clinch his retirement next year.—P. H. Van Zante, Marion County, Iowa.

**But things like this keep folks interested in the atom business, anyway.—Editor.**

## "My Landlord Okay," Says Tenant

To the Editor: Noticed a letter in Voice of the Farm with the heading, "Wants Only Farmers To Own Land."

Now this may be a good idea if enough farmers with enough money could be found. But there are plenty of farmers who can not afford to own land at the present time, and who were lucky to even get enough to buy machinery.

I and a brother-in-law, both GI's, are operating 360 acres that belong to an Omaha businessman who is a swell landlord. If he can afford to buy more land to add to the five farms he already owns, I say more power to him.

I would like as well as the next man to own a farm, and perhaps some day I will. But at the present time, if I had to own one before I could be a farmer, I (and a lot of other fellows in the same class) would be working in town or on some bread-line, while our talent and knowledge of farming and livestock would do no good to or for anyone.—Dave Crawley, Guthrie County, Iowa.

**You have a good point.—Editor.**

**Mud-Road Mac**

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SARGENT PLANTS, Des Moines

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**Pit Silo** holds a lot of good feed for F. O. Dickey, of Polk county, Iowa. It's 14x15 feet, 7 feet deep. Dickey plans to enlarge it, put in tile drainage. He says silage, even at the edges, is good.

# Some Cows Are Junk Collectors

*Tiny Pieces Of Metal Often Cause Some Big And Costly Belly-Aches*

DO YOU have cattle that are junk collectors? That is what many milk cows are. Go to a packing plant. Watch their stomachs being opened. You'll see a variety of hard-to-digest items.

It is amazing what a pile of stuff some cows acquire. Mostly steel. Some like it in one form and some in another.

Pieces of baling wire are common fare for certain animals. Nails, screws and staples are favored by others. It all depends on what you leave lying around.

Steel is only one of the indigestibles cows pick up. One old Holstein matron yielded two and one-half pounds of small stones when her life's work was done.

Arrow-heads, glass, bullets, jewelry, bolts, pieces of inner tubes, broom handles and rubber hose have been found. Just about anything, in fact.

**The sad part is cows get sick and cows die from such a diet. That costs farmers money. And, usually, it's one of the best cows that has to die, too.**

Such heavy objects lodge in the honey-comb section of the stomach. This is the part that "throws up" the cud. It has a heavy, elastic, muscular lining, and lies close to the heart.

Sharp points pierce the stomach lining and get into the heart. Then the cow has pericarditis. Her days are numbered.

The cow usually is in pain. She doesn't eat, gets thin, goes down in milk. Sometimes the veterinarian can help; often it is too late.

Carcasses from such animals with infection around the heart are discarded at the packing houses. Not just the heart—the whole carcass. You pay for that, too, altho perhaps you don't notice it.

"Farmers are taking a big loss from steel in animals' stomachs," says one veterinarian, who told of his experiences with "hardware disease." "Most of this loss could be prevented, too."

Yes, there are things you can do. Most of them involve just being careful.

Like breaking hay bales at the splices. That's bad. It leaves small pieces of wire in the hay.

Nails and staples don't belong in overall pockets, where you carry a handkerchief. Out comes the hanky and down go the nails.

Some feed mills run everything over a magnet. A good idea. Brushing cows in winter will prevent hair-balls which form in the stomach from licking.

Mineral-hungry cows will pick up anything. Keep mineral where cows can get at it. Then they won't have to chew hardware to try to satisfy their craving for necessary elements.

Cows are curious. They seem to pick up things just for fun. But the hardware they can't reach won't hurt them. So, when fixing a fence, pick up the staples.

All those little precautions are worth the time they take. You can pick up a lot of iron pieces for the price of one cow.

## Not Easy To Breed For Fast Gains

**Heredity doesn't have too much to say about how fast a pig will gain weight, University of Illinois tests indicate.**

After 10 generations of breeding and selecting for rapid growth in a closed herd of hogs, Illinois specialists have decided that heredity accounts for only one-fifth to one-sixth of the differences in weight among individuals at the same age.

Illinois also has tried it the other way around — selecting in a closed herd for slow gains. They have found it's easier to decrease rate of gain in the slow-growing herd than to speed growth in rapid-growing bloodlines.


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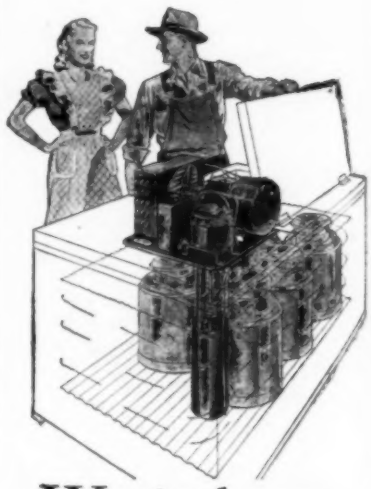

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80 gallons of cold water are circulated around the cooling coils and milk cans *each minute*. This milk is cooled to 50° or lower at half the cost of cooling with ice. In addition, it cools milk faster and at less cost than the average-type electric milk cooler.

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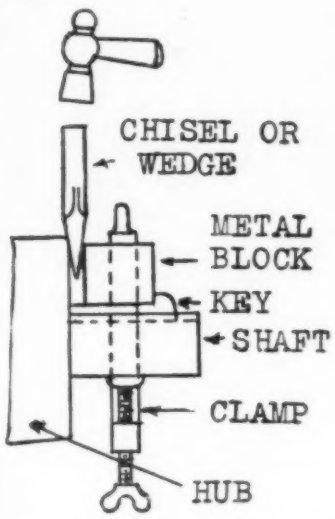
# HANDI-HINTS

## Use Nylon Hose To Strain Paint

The other day, the painter showed up with a nylon stocking sticking out of his pocket. When I joshed him about it, he said his women folks had standing orders to turn all nylons with runs in them over to him.

He would split them lengthwise, and use them for straining paint. A square tied over the mouth of a can makes the finest kind of strainer to take out lint and sediment of partly used paint.—I. W. Dickerson.

## How To Start A Tight Key




Here is an idea that may be helpful when you are trying to pull a stubborn key. The illustration shows the method used. You can change it to fit your needs.

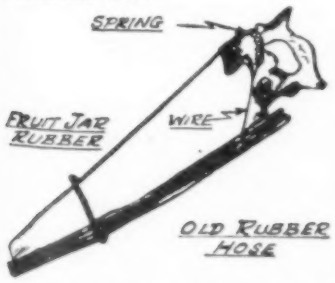
You may need a thinner block on many shafts. Often, you won't need the clamp to hold the block in place.

## Thumb Tack Makes Solder Patch

You may need a very small patch when soldering a hole that is too large for the solder to bridge across. If so, use a thumb tack.

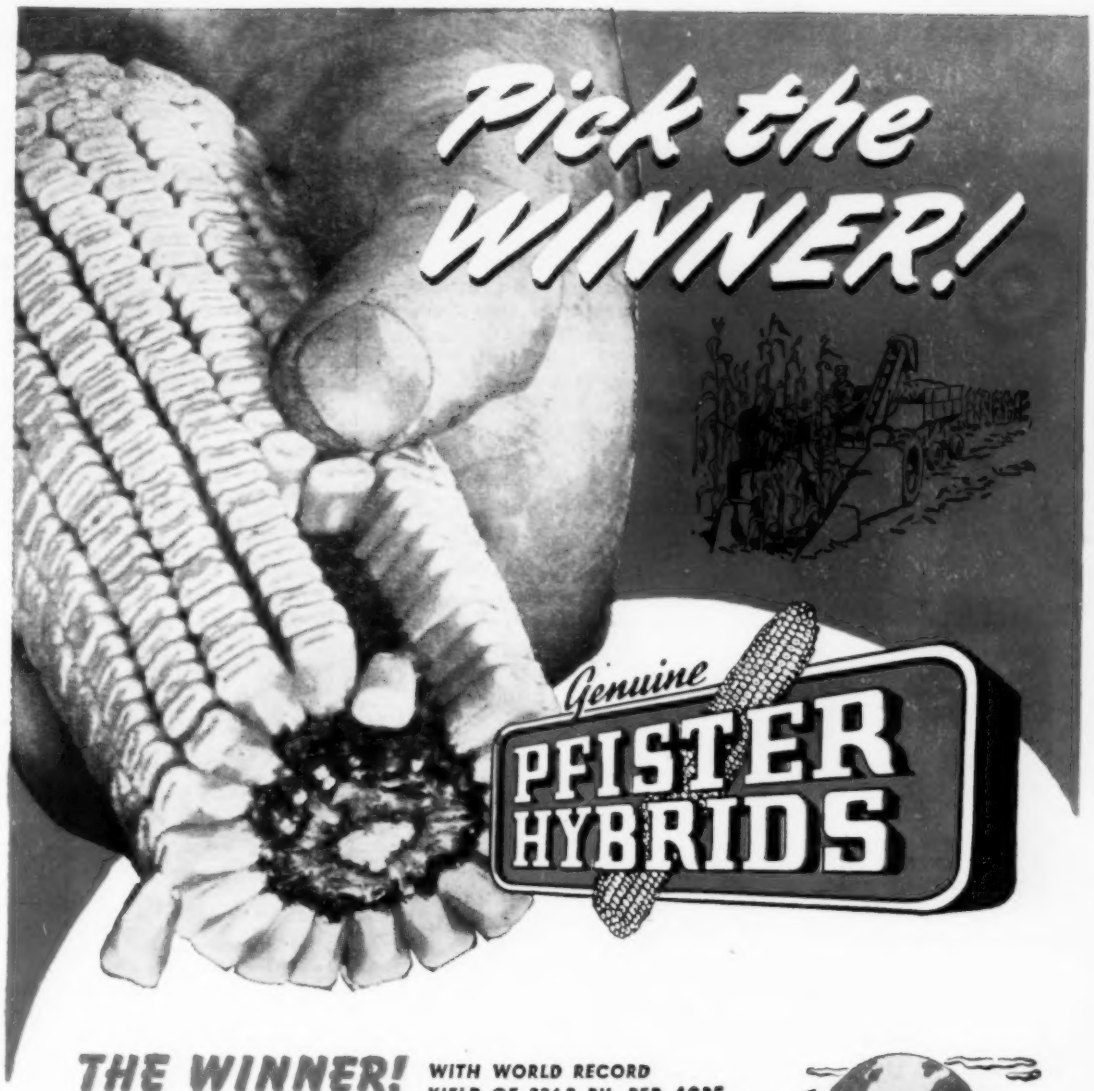
Solder sticks to the thumb tack, and the point keeps the patch from sliding off.

## Old Garden Hose Protects Saw




The diagram shows a simple guard that will protect your saws when you carry them in your car or trailer.

Split a piece of old garden hose lengthwise. It can be held in place with a spring and wires at one end. An old fruit jar rubber holds the other end.

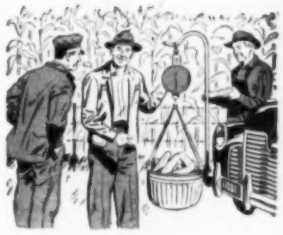




**THE WINNER!** WITH WORLD RECORD YIELD OF 224.2 BU. PER ACRE

Genuine Pfister Hybrids set a new world record of 224.2 bushels of corn per acre in the official 1948 Iowa Ten-Acre Yield Contest. The record was made with regular hybrids like the Genuine Pfister Hybrids planted by thousands of farmers across the corn belt. Pick Genuine Pfister Hybrids and you pick the winner.

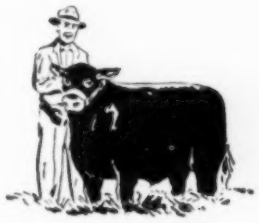
**THE WINNER!** IN 8 OUT OF 10 COMPETITIVE YIELD CHECKS

Genuine Pfister Hybrids produced more dry shelled corn per acre 8 out of 10 times in 1101 competitive yield checks made in farmers' fields during 1948. They won 86.3% of the time to AVERAGE 11.5 BUSHELS more dry shelled corn per acre! Pick Genuine Pfister Hybrids and you pick the winner as proven in direct competition with other brands.



**THE WINNER!** AT THE 1948 INTERNATIONAL LIVESTOCK EXPOSITION . . .

More than 52% of the prize winning carload lots of cattle and a good percentage of the swine and sheep entries at the International were fed Genuine Pfister Hybrids by the exhibitors. And, Genuine Pfister Hybrid 10-ear samples captured first places in three regions — more than any other hybrid. They won 21% of the 281 prizes offered for hybrids from the eight regions. Pick Genuine Pfister Hybrids for feeding quality.



**Hybrids Made Better Through Research and Backed by Dealer Service**

P.A.G. research staff works constantly to develop even better hybrids. This concentrated program assures you of quality seed developed to produce high yields of choice grain. In addition, P.A.G. maintains a trained dealer organization to provide friendly, efficient service. Depend on your local Genuine Pfister Dealer for your seed corn requirements.

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**HABCO** Quality Cribs Now!

Farmers are ordering cribs NOW to receive full benefits under the new crop storage program. HABCO cribs of heavy galvanized bar mesh with famous BUTLER galvanized metal bin roofs are available NOW.

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for drying ear and shell corn, grain, hay, peanuts, rice and other moisture-affected crops.

Only HABCO "Jet-Dri" Crop Driers feature GENERAL ELECTRIC jet burners, controls and motors; ARMCO stainless and ARMCO aluminized steel.

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HABCO Expresses Thanks to GENERAL ELECTRIC ARMCO BUTLER for their friendly cooperation and valuable research in the development of the finest in postwar crop conditioning and storage equipment.

DEPT. WF-8

**HABCO MANUFACTURING CO.**
COLUMBUS, NEBRASKA, U.S.A.

## GRASSHOPPER WARNING!

### Destroy This Crop-Destroying Pest Before It Destroys Your Profits!

Thompson-Hayward grasshopper poisons are available as high strength liquid concentrates designed for spraying in low volume water or oil solutions. Quick and effective, they may be economically used in hand sprayers, from planes, or in other application equipment.

**TOXICHLOR**
*(Chlordane)*
An extremely effective grasshopper killer that destroys 90% or better in 24 hours and almost 100% in 48 hours! One of the most spectacular acting insecticides, it remains after field treatment to kill migrating grasshoppers.

**PHENACIDE**
*(Toxaphene)*
The prolonged killing power of this new killer makes it especially effective for eradicating grasshoppers and locusts where rains and heavy moisture remove other types of insecticides.

*For free technical bulletins on the use of these and other insectides, write Thompson-Hayward Chemical Company*

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# You Need A License To Drive Tractor

*You Do, That Is, If You're Traveling On Road—Unless You're Headed For Field*

IOWA farmers won't be able to send Junior to the elevator with a tractor and a trailer full of oats from now on. Not unless Junior has a driver's license, that is.

How come? Well, the recent Iowa legislature changed the law regarding license requirements for drivers of vehicles on public roads. Formerly, you didn't need a driver's license to drive a farm tractor on a road or highway temporarily.

Now if you take a tractor on the road, you must have a driver's license unless you are "operating a farm tractor or implement of husbandry to or from the home farm buildings to any adjacent or nearby farm land for the exclusive purpose of conducting farm operations."

This means that your young son can help you in the field with the tractor. He can drive it on the road if he is driving to nearby or adjacent fields. But he can't drive the tractor to town, even if he is hauling a trailer-load of grain.

**And the Iowa Department of Public Safety is going to start enforcing the new law, says Commissioner Alfred W. Kahl. But the department wants all farmers to know about the change in the law and why it was made.**

Purpose of the change was to limit operations on the highways of people too young to hold a driver's license, and to close a loophole in the old law that some drivers took advantage of. Kahl put it like this:

"Under the old law, a man who lost his license because of violating the law could drive a tractor on the roads. Now, if he drives to town, he is operating while under suspension. The minimum sentence is two days in jail."

Another change in the law says that when you are about to enter a public road from a private road or driveway, you must stop just before pulling onto the road. You have to yield the right-of-way to any vehicle approaching on the highway.

Formerly, the law required you to yield the right-of-way, but no stop was required.

At a recent Iowa Safety Patrol meeting, officers agreed that at least 90 per cent of the farm equipment operating on roads at dusk or night are not lighted properly or are not lighted at all.

Here are the regulations for lighting farm equipment when operated during the dark:

Equipment: At least one lighted lamp or lantern exhibiting a white light visible from a distance of 500 feet to the front, and at least one lamp or lantern giving a red light visible from a distance of 500 feet to the rear.

When lighting lamps are required: From a half-hour after sunset to a half-hour before sunrise, and at any other time when there is not enough light to see clearly people or vehicles 500 feet ahead.

The lighting regulations apply not only to tractors but to horse-drawn wagons, hay-racks, combines, threshing machines and any other farm equipment.

**Officers at the Safety Patrol meeting said that most farm tractors have lighting equipment. The trouble is that the lights shining to the rear of tractors are white. Some near-accidents have resulted when cars came up behind tractors at night. The following incident is typical:**

A car driver saw a white light on the right side of the road, shining toward him. He thought it was the headlights of a car or motorcycle coming toward him. So he slammed on the brakes and started to turn his car in the ditch.

Then, just in time, he saw that the vehicle in front was a farm tractor going his way.

A red light shining to the rear is good insurance if you drive your tractor on the roads at night. You can get a red light at local auto supply stores or garages.

A thin red cloth tied over the rear light on your tractor will usually make a red light visible at the required 500 feet. But if the cloth is too heavy or the bulb is poor, it might not show up enough. Make sure of your warning rear light before taking your tractor on the road at night.

## Farming Is Dangerous

**If you live on a farm, it's easy to get hurt. It happens 2,400 times a day all year long. And, the pity of it is, most accidents don't have to happen.**

**July 24-30 has been set aside as National Farm Safety Week. But it will pay you to be safety conscious the other 51 weeks of the year, too. Just consider these facts:**

- **In 1948, somebody on one out of every six farms was the victim of an accident.**
- **Thousands of fingers were cut off, feet crushed, ribs broken, eyes injured, arms and legs broken, faces burned—and people killed.**
- **Average time lost in this area was 20 days, average cost per accident was $47.**

**BE ALERT—DON'T GET HURT**

# Tax Cut For Cow Men

FOR the third time, a United States court has held that sales of farm breeding stock should be treated as capital assets when income taxes are figured.

This means that you pay tax on only half the gains from sales of dairy cows, brood sows and all breeding stock if held more than six months.

The hearing was held in Omaha in the latest case. It concerned cows in a rancher's herd at Rushville, Neb.

The three courts which have held in favor of farmers are all in the eighth circuit. States included are: Iowa, Nebraska, Minnesota, South Dakota, Missouri and Arkansas.

The highest federal court in these six states has decided in favor of livestock owners. This is the circuit court at St. Louis, in the Albright case.

**Up to date, there is no word from the internal revenue commissioner as to whether he will accept the court interpretation of the law.**

Farmers can safely wait a few months to decide about asking for refunds for the years 1946, 1947 and 1948. They have until January 15 to decide whether to follow the court's interpretation or the revenue commissioner's ruling in making out their income tax reports for 1949.

Wallaces' Farmer and Iowa Homestead will continue to watch developments. We will give our readers all the angles on what they should do about filing for refunds in plenty of time.

## Fertilizer Use On Increase

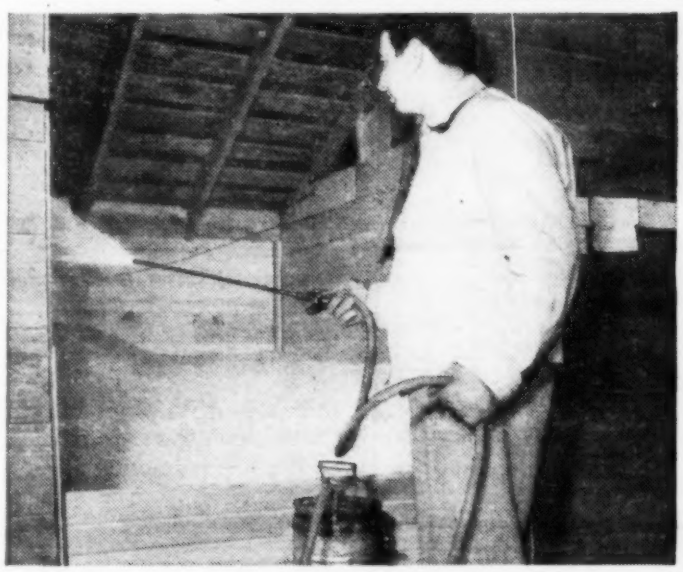
**Consumption of commercial fertilizers during the year ending June 30, 1948, was the highest on record, according to the USDA.**

More than 17 million tons were used by farmers in the United States. Iowa farmers used 309,131 tons of commercial fertilizers. This included 195,509 tons of mixed fertilizers, does not include lime.

Nationally, and in Iowa, 2-12-6 was the most popular mixed fertilizer. Iowans used enough 4-16-0 and 3-12-12 to rank them in second and third places. Ammonium nitrate supplied most of the straight nitrogen fertilizer used in Iowa.

**"I think he'll propose, Daddy. ... He's already beginning to complain about my cooking."**


# Farm Service Bulletin



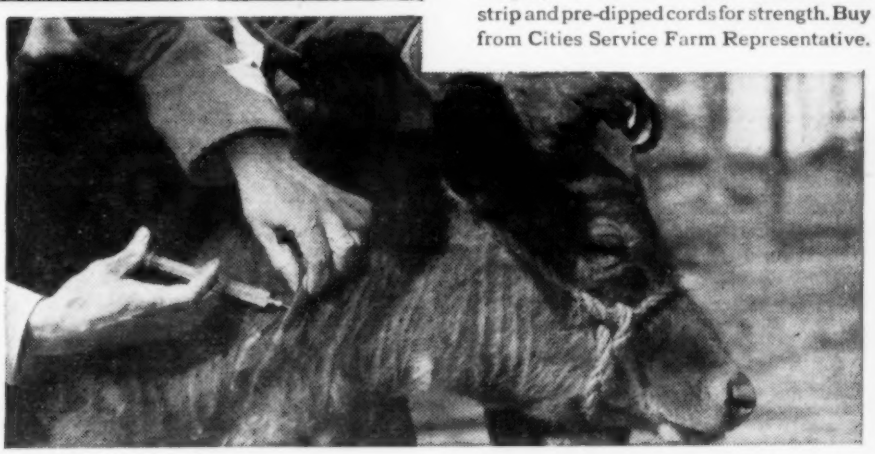
**1 CONTROL PASTURE WEEDS BY MOWING** – USDA dairy research shows that mowing weedy pastures returns $9 for $1. Net return from a mowed pasture was $65 per acre, or $16 more than from unmowed. Cost of mowing average $1.85 per acre. Mowing controls weeds, increases spread of desirable grasses.

**2 FUMIGATE GRAIN IN AUGUST** – August is the time to kill weevils in your stored grain by fumigation. Grain buyers now have a reliable test that shows when grain is infested with weevil eggs. Don't risk loss by selling weevily grain. Your County Agent has full directions.

CITIES SERVICE
QUALITY PETROLEUM PRODUCTS
*Accessories for the farm*

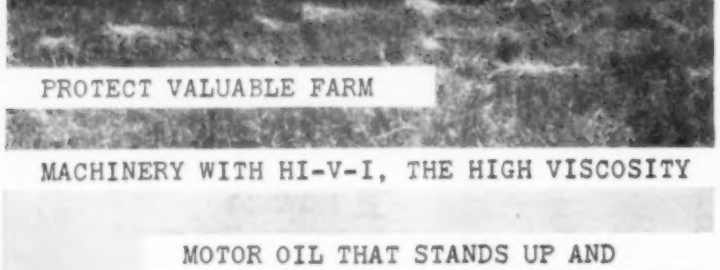
**3 FULL TRACTION TIRES** – Cities Service Milemaster tires have deeper, non-skid tread, double breaker strip and pre-dipped cords for strength. Buy from Cities Service Farm Representative.

**4 PREVENTATIVE MAINTENANCE** – Farm equipment will last longer, run smoother and perform better when properly lubricated. Ask your Cities Service Farm Representative about the complete line of performance tested products.

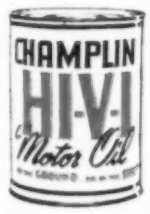


**5 STAMP OUT BRUCELLOSIS** – Help eradicate brucellosis, or Bang's disease, in livestock, which costs U.S. farmers 100 million a year. You can do this, says USDA by: 1. Building resistance by vaccinating calves. 2. Testing and removing all infected animals from herds. 3. Adopting good sanitary herd management practices.

# Can't Be Beat... IN SUMMER HEAT




MACHINERY WITH HI-V-I, THE HIGH VISCOSITY MOTOR OIL THAT STANDS UP AND LUBRICATES EVEN IN SCORCHING SUMMER TEMPERATURES. KEEP BREAKDOWNS AND REPAIRS AT A MINIMUM...REDUCE CARBON, GUM AND SLUDGE FORMATIONS...INCREASE PERFORMANCE...LOWER OPERATING COSTS.

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***T-33 COOLS MILK DIRECT FROM COW***

Water as cold as water can get sprays slowly over can as milk is poured in. Cools it many degrees instantly. Strainer placed in milk can through top openings. 4-6-8-10-12-14 and 16-can models.

WRITE for details on **T-33** MILK REFRIGERATOR and on the 20TH CENTURY SYSTEM OF MILKING COWS

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# Farm News Briefs

**COMING EVENTS:** July 29, WMT Field Day, Manchester; Aug. 12-21, Illinois State Fair, Springfield; Aug. 14-21, All-Iowa Fair, Cedar Rapids; Aug. 17-19, Pilot Rock Plowing Matches and Field Day, Cherokee; Aug. 19, Jones County Fair and Fat Steer Contest, Monticello; Aug. 26-Sept. 2, Iowa State Fair, Des Moines.

▲ ▲ ▲

**IOWA HAD ABOUT** 144 million bushels of corn under loan and purchase agreement thru May. Total for the U. S. was more than 390 million bushels. Previous record was 302 million, in 1939-40.

▲ ▲ ▲

**EXPORTS** of American grain are expected to start dropping soon. But, thanks to ECA, it hasn't happened yet. In the first 11 months of the 1948-49 shipping season (July, 1948, to May, 1949) exports totaled 637 millilon bushels. Previous one-year record was set in 1947-48 (588 million bushels). May of this year topped May of 1948 by more than 23 million bushels.

▲ ▲ ▲

**REA HAS OKAYED** a four-million dollar loan to the Central Iowa Power Co-op, Cedar Rapids, to install an additional 20,000-kilowatt steam generator in its new power plant. The plant will turn out electricity for 25,000 farms served by 11 central and eastern Iowa REA co-ops. Also getting a new REA loan is the Harrison county co-op at Woodbine—to serve 33 new farm users.

▲ ▲ ▲

**EXTENSION SERVICE** changes: Clair Paker, former vocational ag teacher at Fairfield, is the new county extension director in Keokuk county, Iowa. Robert Gray becomes district extension director in soil conservation for Henry county. Clarence Babcock is new assistant extension director in soil conservation for West Pottawattamie county. Mrs. Leatrice Thurston is the new extension home economist in Warren county. D. D. Offringa, veteran extension director in Linn county, has moved to a similar post in Jones county.

▲ ▲ ▲

**IOWA 4-H GIRLS** held their annual three-day convention at Ames last month, elected these officers: President, Donna Eichelberger, Muscatine county; vice-president, Doris Whade, Buena Vista; secretary-treasurer, Margaret Mitchell, Linn; historian, Carol Legg, Black Hawk county.

▲ ▲ ▲

**IOWA 4-H BOYS** chose these new officers at last month's state meeting at Ames: President, Don Teachout, Page county; vice-president, Jack Miller, Clarke; secretary-treasurer, Graydon Trible, of Black Hawk; historian, Wilfred Becker, Benton county.

▲ ▲ ▲

**FLYING FARMERS** of Iowa reelected Benedict Peterson, of Mahaska county, as their president at their recent annual meeting in Des Moines. Other officers are: F. F. Fisher, Montgomery county, vice-president, and G. G. Carnes, of Iowa State College, secretary-treasurer.

# 17 Championships Won in 2 Years By Railroader-Farmer

## Raised His Prize Angus Cattle "Between Trains"

RAY, DAUGHTER CAROL, PRIZE ANGUS
*Bulls and locomotives mix fine*

FAYETTE, MO.—Raymond George raises prize Angus cattle on his farm. ALSO dispatches trains on a railroad. Does fine at both jobs. Won 17 championships for Angus cattle in '47, '48! Including one at Missouri State Show.

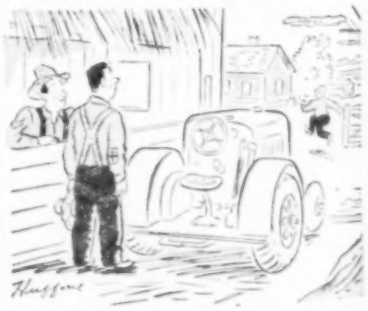
* * *

**KEEPS RAY BUSY, farming, railroading, serving as official in Angus breeders' and railroad men's organizations. Looks like he needs his Wheaties! Eats these nourishing whole wheat flakes 5 days a week. Likes them with bananas and milk.**

**CAROL WINS RIBBONS TOO!**

**3 year old daughter** Carol wins championships, too. "Blue Ribbon Baby" at Missouri State Fair in '47, '48! Carol's another Wheaties eater. Three generations in George family enjoy this delicious breakfast cereal. Many families same way. Wheaties are America's favorite whole wheat flakes. Famous training dish, too. Three B vitamins, also minerals, proteins, food energy in Wheaties. "Breakfast of Champions."

***You get 50% more** Wheaties in the Extra-Big-Pak. Ideal size for active, hungry families. Had YOUR Wheaties today? Get 'em in the Extra-Big-Pak!*



**"When I told him of the work to be done today he headed for a second bowl of Wheaties."**

AVOID ACCIDENTS • National Farm Safety Week • JULY 24-30

"Wheaties" and "Breakfast of Champions" are registered trade marks of **General Mills, Inc.**

*Washington Wire*

# Any Help For Fall Hog Prices?

*Senate Group Eyes Production Payments; Supports For Cottonseed May Help Lard*

WASHINGTON, D. C.—What's happening here that may help hog prices when the big run of spring pigs starts? Two things are worth noting:

1. Senator Gillette's sub-committee of the senate agricultural committee is holding hearings on the bill to allow Brannan to make production payments on hogs this fall.

2. Secretary Brannan is talking about a price support program for cottonseed. This would indirectly help lard prices. Low prices for cottonseed have lowered prices of all oils and fats, including lard.

**Everybody is guessing on the effect of the spring pig crop on the winter market. One estimate is that there will be one million more spring pigs than the market will take at support prices around $16.**

But the same folks say that present intentions for fall pigs would overload the market by four million head next spring and summer.

If hog numbers continue to pile up, there is some talk of figuring out allotments for every hog raiser. Old-timers, remembering the trouble over AAA corn-hog allotments, hope it won't come to that.

A new idea is coming up on potato supports. Instead of telling each farmer he can plant so many acres, tell him he can sell so many bushels. This might check the present tendency to overproduce on a limited acreage.

Consumer resentment on potato supports and egg supports is one big reason why Secretary Brannan may get power to let the market price drop, and make up the difference to the producer by a government check.

**More folks here are doubtful whether the Hope-Aiken law, on the 1950 basis, will ever go into effect. The house is likely to pass a modified Brannan plan, and the senate may have to work out some kind of compromise.**

The new Pace bill (modified Brannan plan) would use the income support standard, which is higher than Hope-Aiken parity, and support prices at 100 per cent on corn, wheat, cotton, tobacco, rice, peanuts, hogs, milk, butterfat and wool.

But the bill would only permit production payments on three commodities. How to hold up prices on the other commodities would be a question.

The senate will balk at the Pace bill, but nobody is at all sure what the final compromise will be. The main chance for the Hope-Aiken law is that it is already on the books. If congress can't agree on amendments, the law might survive in its present form.

A fight is brewing over distribution of anti-hog cholera serum and hog cholera virus. On one side is the industry which makes these products. On the other are farm cooperatives.

The battle will revolve around government-supervised measures for distribution of these vital products. Distribution is made under provisions of a federal marketing agreement and order program under supervision of a control agency appointed by the secretary of agriculture from the industry.

**Gillette's sub-committee is looking over the Brannan proposal to make production payments to farmers on hogs this fall.**

Recently, this control agency set up new standards of government distribution, in which it ruled out five midwestern farm cooperatives as legitimate wholesalers. The co-ops, with the aid of national farm organizations, protested to Secretary Brannan. The latter ordered the control agency to hold up on the new standards until he could look into the matter.

The issue might well go to the courts.

**The Bureau of Agricultural Economics predicts a somewhat happier late summer and fall season for the nation's dairymen than a year ago.**

Last year, milk prices declined during these seasons — seasons when milk prices normally increase. This unusual price movement reflected post-war adjustments in supplies and demand for dairy and other competitive food products, and particularly demand for manufactured dairy products.

"During the rest of 1949, prices received by farmers for milk and milk products will tend to increase," the bureau said in a dairy report, "because total milk output has passed the peak for 1949 and will decline seasonally.

"Tho the percentage rise may be less than normal," the bureau added, "a moderate upward price movement this year would be in sharp contrast to the contra-seasonal decline during the second half of 1948."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KILL Grasshoppers

with...

Chlordane

SPRAYS AND DUSTS

This year the GRASSHOPPERS can eat all your farm profits and start creating losses before you know it. Don't let this voracious feeder eat his way through YOUR crops this year.

This year YOU can stop him QUICK for LESS MONEY with Chlordane

CHLORDANE, the new wonder chemical, *is government approved for grasshopper control.* And, you can NOW get CHLORDANE formulations at reduced prices. CHLORDANE stops the hopper's eating after his first few bites of forage, thus ending the damage at once... and, gives 90-99% kill of 'hoppers within 72 hours. Fifteen to 20 days after the final application crops become safe for forage.

CHLORDANE is by far your best "Profit Insurance" against the 'hopper and other field, fruit and garden pests.

This year, be sure... use Chlordane to kill the GRASSHOPPERS

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ASK YOUR COUNTY AGENT OR OTHER AGRICULTURAL AUTHORITY WHERE YOU CAN BUY CHLORDANE INSECTICIDES

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CHLORDANE Insecticides are sold by local dealers... If your dealer does not have Chlordane, please send us his name.

Dealer's Name

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Please send bulletin on Grasshopper control containing tables and directions.

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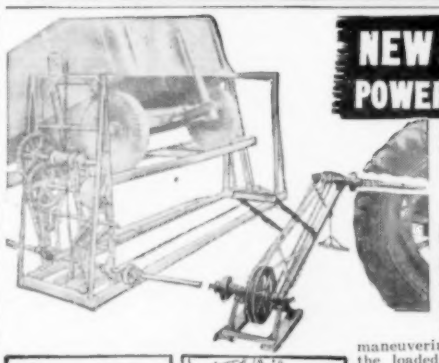
*Manufacturers of OCTA-KLOR (T.M. Reg. U.S.Pat.Off.) Technical Chlordane

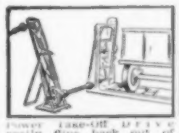


NEW! Farmer's Friend POWER TAKE-OFF DRIVE

Dump Your Load In Half the Time!

Makes Your Grain Elevator Job ... Easier, Faster, Safer.

This new Power Take-Off Drive will save you time, work and patience at harvest time. No speed jack stakes to pull loose or belt to slip off — no maneuvering or positioning of tractor. You pull the loaded wagon into position, flip the Power Take-Off Drive over and in one minute's time it snaps onto the spline shaft of your tractor. You are ready to go. It may be used with platform or overhead wagon jack hoist. Made by the makers of the famous Farmer's Friend elevators. Write for literature and name of nearest dealer.



Power Take-Off Drive easily flips back out of the way for tractor and wagon to pull in or out.

Power Take-Off Drive flips into position on adjustable stand and it is attached to tractor spline shaft.

G & D MFG. CO.

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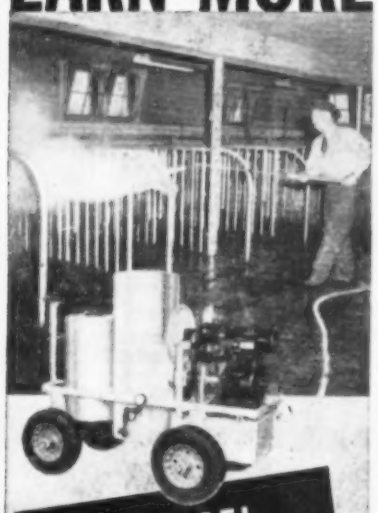
# WORK LESS EARN MORE



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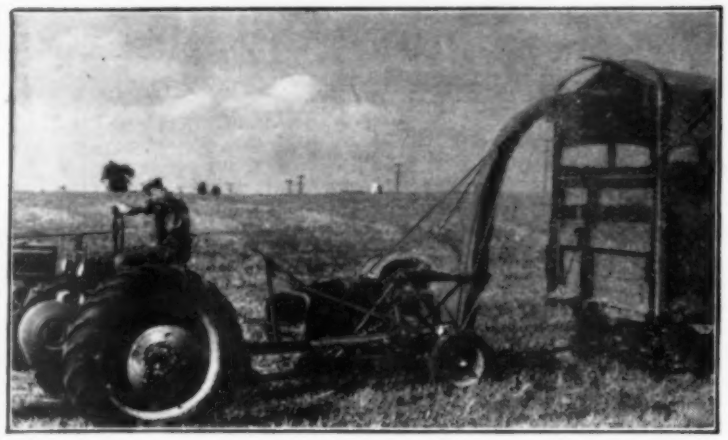


**1 Chopper** is used to pick up windrowed straw after combining by Bob Appleby, Jones county, Iowa. "Chopped straw is easy to handle, and it makes warmer bedding," says Appleby.

# Chopped Bedding

Hay-making isn't the only job that has been made simpler by the field chopper. Many farmers now are using a forage harvester after combining, to chop up straw for bedding.

Says Bob Appleby, Jones county, Iowa, on whose farm these pictures were taken: "It's easier to put straw in the barn with a blower. And chopped straw is easier to handle as bedding, the shorter straw makes better bedding, and it's easier to handle later in the manure spreader."

**2 Blower** puts chopped straw in barn as Appleby's neighbor, Herb Anderson, rakes it into hopper. Both Appleby and Anderson like short straw for bedding, each puts up 60 acres' worth.

**3 Electric** motor moves wagon-front back, pushes straw into the hopper. Appleby uses chopped straw in two hen houses, calf and steer pens, and for hogs. He says it "doesn't bunch up so."


NEW AND REVOLUTIONARY
All Purpose Portable
# WAGON HOIST
and HYDRAULIC JACK

- No lifting, easy to wheel from one job to another.
- Weighs only 96 lbs.
- 3500-lb. capacity.
- Simple operation, hydraulic hand pump.

Write for literature, prices and name of nearest dealer.

SOO TRACTOR SWEEPRAKE COMPANY
809 COURT ST. SIOUX CITY, IOWA

ROOF Fence Row WEED CUTTER
TAKES THE WORK OUT OF WEEDS
TIME-SAVER

101 USES

Saves hours of hard work, cutting everything from tough blue grass to light brush with no effort at all!

**CUTS WITHIN ¼"** of fence rows, buildings, trees and other obstacles. Ideal for yard, timber, garden, orchard, spot weed control.

**FORWARD DRIVE** optional with new Self-Propeller. Can be applied when needed, idled for close work.

**MOWS LAWNS, TOO!** Just one simple adjustment. See your dealer, or for our special folder on keeping your farm LOOKING LIKE A MILLION, write

ROOF WELDING WORKS PONTIAC 1 ILLINOIS

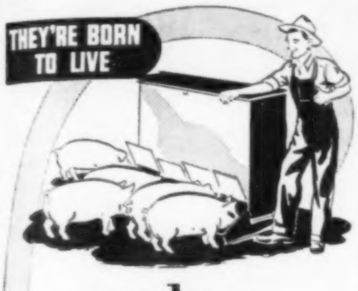
CORN CRIBS and GRAIN BINS

CHAMPION "Hi-Quality" CRIBS and BINS
LOWER COST
LONGER LIFE
Immediate Delivery

Permanent, leak-proof, crop-tight. Built-in ventilation, shipped complete. Easy to assemble—easy to move. Many sizes. SEALING ALONE PAYS FOR YOUR BUILDING. 40 years of premium quality. Also silos, hog and poultry houses, garages, etc.

WESTERN SILO CO.
DEPT. W-7 WEST DES MOINES, IOWA

16 ENLARGED, JUMBO, OVERSIZE DECKLED PRINTS
from any 6-8-12-16-20 or 36 exposure roll film developed only 35c and this ad. Electronically exposed. Enlargement coupon free.
SKRUDLAND 6444-F Diversey, Chicago




reduce pig losses with proven controls

**NOCTOL**
For the Control of BLOODY SCOURS

- Easily administered in the drinking water.
- Improvement usually noted in 24 to 48 hours after starting treatment.

**TRACITE**

- A combination of trace minerals.
- Essential for formation of Hemoglobin in the blood.
- Aids against nutritional anemia.

Inquire also about our treatment for Infectious Enteritis in hogs and Calf Scours.

Write Dept. WF-3

M&M LIVESTOCK PRODUCTS CO.
CLARION IOWA

the BLACK HILLS
BECKON YOU! COME NOW!

*Beauty Unexcelled! Thrills Unparalleled!*

In the *cool* BLACK HILLS of South Dakota, lush green valleys and majestic mountains merge in the sparkling beauty of pine-fringed lakes and streams. Three regular performances of the Black Hills Passion Play are presented each week in this setting of natural wonder. Awesome Mt. Rushmore will enthrall you . . . herds of big game in scenic Custer State Park will thrill you . . . the weird beauty of the nearby Bad Lands will intrigue you!

**Fun Awaits You in the OLD WEST**

Western shows, rodeos and pageants recapture all the flash and flourish of the Old West . . . make each fun-filled day a new high in a colorful adventure you'll always remember. And the cool, crisp air of the *highest mountains east of the Rockies* will make you want to linger longer in the Black Hills of friendly South Dakota.

WRITE TODAY FOR . . .
COLORFUL *FREE FOLDER*

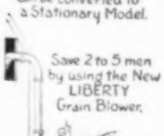
A. H. Pankow, Publicity Director
SOUTH DAKOTA
STATE HIGHWAY COMMISSION
PIERRE, S. D.



LINK MFG. CO.
FARGO, N.D.

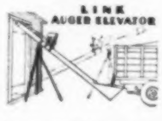
LINK Truck-Mounted GRAIN BLOWER
Can be converted to a Stationary Model.

Prices and Particulars sent on application. Mention product in which you are interested.



Save 2 to 5 men by using the New LIBERTY Grain Blower.

LINK AUGER ELEVATOR



Aluminum Tube and Head
Many special features
Definitely the leading Auger Elevator.



RATS - RATS!!

Don't EAT . . . Don't DRINK
But DIE Like Flies

RAT-SKAT—New rat-hole chemical—knocks 'em dead. Kills rats from corn cribs, grain bins, barns, chicken houses, etc., almost over night. Easier and cheaper to use since rats simply walk through this chemical, placed in rat holes and "runs." Try it now at our risk and you'll be satisfied or get your money back. SEND NO MONEY. Just send name and nearest express station. Pay expressman $2.00 for 1 lb. ($5.00 for 3 lbs.)—we prepay express charges if payment is sent with order. BUDD CHEMICAL CO., Dept. W-1, 4021 Plainview Drive, Des Moines, Iowa.


U. S. SAVINGS BONDS ARE SAFE

# SAVE YOUR LIFE!

**With National Farm Safety Week coming up (July 24-30), this is a good time to remember that a lot of farm people get hurt right in their own homes. This story, told by N. J. Wardle, farm safety specialist at Iowa State College, is a good example.**

---

"MARY, will you get that corn ready for the jars?"

"Yes, Mother. How much more are you going to can today?"

"Oh, we'll do 30 or 40 more quarts. I've got to get these out of the pressure canner now."

"How long does it take to lower the steam? Our home ec teacher said to be sure the pressure was clear down before opening the cooker."

"That's the big bother of these cookers. It takes too long to get the pressure down. I wonder if it's really necessary."

"Don't take a chance, Mother."

"Well, it's practically down now. I'm going to open it."

"Mother!!"

But Mary was too late. Her mother already had released the lid. The steam rushed out. Mother stepped back to a safe distance. When the steam stopped, she stepped up to remove the lid.

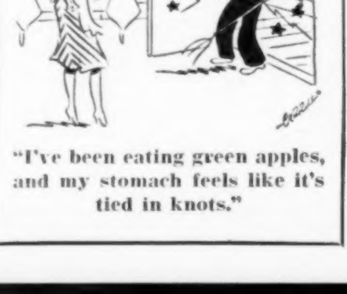
**"There, it can be released more quickly if you're careful." Then she started to take the lid off. There was a loud explosion. She screamed and put her hands over her face.**

Mary's mother lived, but she was badly burned by hot water. And the glass from an exploding jar narrowly missed her right eye. No more corn was canned that day.

It's dangerous to use your own judgment and decide to operate equipment in a different way than that recommended. There are no safe short-cuts around the right way to do things. Such short-cuts don't save time—they usually take more time. And they often cause injury or death to yourself or to others.

When manufacturers or experts give recommendations for the use of equipment, they're talking from experience. Profit from that experience—don't use yourself as a guinea pig in a haphazard experiment to find a shorter or quicker way.

**Remember: Be Alert—Don't Get Hurt.**



**"I've been eating green apples, and my stomach feels like it's tied in knots."**


# "NOW, I'M OUT OF DEBT!
## *Thanks to a SAFE Federal Land Bank Long-Term Loan!"*

"I happened to get my Land Bank loan about 15 years ago, when the going was pretty rough. It saved my farm for me.

"The long-term and low interest rate kept the payments small, so I could meet them from my regular farm income. That gave me a feeling of security, and peace of mind. I knew I had over 30 years to pay.

"But I had the privilege of paying up as fast as my income would let me. I did just that, and now I'm out of debt!

"I'm glad I had a Federal Land Bank loan. I only wish I had got it BEFORE the last depression. It would have saved me a lot of worry."

**PAYMENTS BASED ON NORMAL EARNINGS**

Payments on a Federal Land Bank loan are based on the **normal** earning capacity of your land. High and low prices and yields are leveled off—to arrange payments you should be able to meet in any average year.

**Now is the time to get your Federal Land Bank Loan through your local**

NATIONAL FARM LOAN ASSOCIATION
Federal Land Bank Loans
Low Interest Rates Long-Term

**100% Farmer-Owned**

You never have to worry about renewals. You insure a low 4 per cent interest rate for the entire life of your loan. You can take up to 40 years to pay if you wish. But you can pay in full any time from your income.

**YOU DEAL WITH LOCAL PEOPLE**

You get your Federal Land Bank loan through the National Farm Loan Association in your community . . . a local co-op, owned and controlled by the farmers who borrow through it. You share in the earnings—through cash dividends—further reducing the cost of your loan.

**SEND FOR FREE BOOK**

Whether you are refinancing debts, making major improvements or buying land, **NOW is the time** to get a Federal Land Bank loan . . . for that feeling of SAFETY and SECURITY in the years ahead.

For full information, send TODAY for the FREE book, "Answers to Your Questions About Federal Land Bank loans." Just fill in and mail the coupon below. It puts you under no obligation.

FILL IN AND MAIL TODAY—PASTE ON PENNY POSTCARD IF YOU WISH

**FREE BOOK on FARM LOANS**

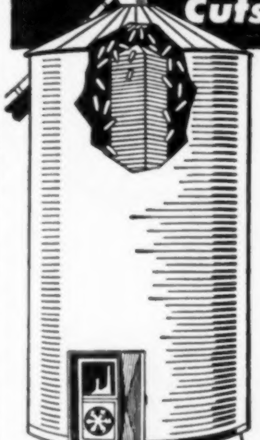
The Federal Land Bank of Omaha
Dept. W-1, 19th and Douglas Sts.
Omaha 2, Nebraska

*Send me FREE book about Federal Land Bank loans, and location of my National Farm Loan Association—without obligating me in any way.*

NAME
(PLEASE PRINT)
RFD TOWN STATE



# NEW METHOD SAVES CORN!
## *Cuts Labor—Speeds Drying*



The New Martin Method enables you to pick corn early, dry it quickly, and reduce your handling labor to a minimum. Elevate your corn into the Martin High Round Crib which serves as ear corn storage as well as a drier. Natural or heated-air is then blown through the corn to reduce the excess moisture. 1200 to 12,000 bushel sizes now available. Act now to eliminate all losses from spoilage, rats and weather. Durability and long life guaranteed by the successful experience of many users.

**Store shelled corn and small grain with 100% safety, low cost!**

The strongest grain bin model! All steel construction provides lifetime safety in storing shelled corn and small grain . . . fireproof, ratproof, weatherproof! Provides labor-saving convenience in filling and emptying. Bin, as pictured, is for storage of low moisture grains—easily adapted for use with forced air, heated or unheated, to condition high moisture shelled or ear corn and small grain.

All Martin cribs and bins are U. S. Government Approved to qualify you for grain loans and storage fees.

31% Moisture Corn Stored Safely . . .

*"The corn I put in my crib tested 31% moisture and is keeping OK . . . my neighbors had to shovel out their corn and sell it because it was spoiling."*

*Mail coupon today for details on how to protect your crops!*

STEEL MARTIN Farm Buildings -BILT

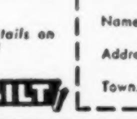
Martin Steel Products Corp.
723 Longview Ave., Mansfield, Ohio

Please send me complete information on: ☐ New Method of Conditioning Ear Corn; ☐ Storage Method for Shelled Corn or Small Grain; ☐ Martin Haymaker for Curing Chopped Hay; ☐ Martin Silo.

Name
Address
Town State



OTTAWA Buzz Master

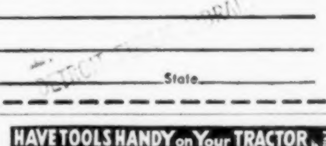


**3 MODELS—$99 up**
No Other Like It!

Greatest offer ever made by oldest and largest firm in the business. Made by men with the know-how. A model to fit your needs and your pocketbook. Endorsed by Conservation experts. Send for FREE details. Now in our 46th year.
OTTAWA MFG. CO., 1-907 Brush Ave., Ottawa, Kansas



HAVE TOOLS HANDY on Your TRACTOR and Other Farm Machines



KOYKER Grease Gun Holster—Only practical way carry grease gun on tractor or other machines. No mess in tool box. "KLAMP-TITE" feature holds gun secure. No lost time. Put on each tractor. $1.95 at dealers or $2.25 direct.

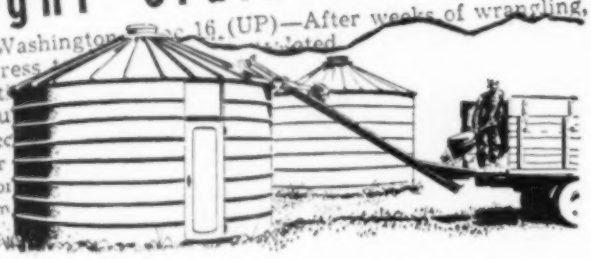
KOYKER "KNOCK-OUT" TRACTOR TOOL BOX . . . Extra heavy Kwik-fit brackets, 33 knock-out slugs. Mounts on all tractors in best position to clear implements. 20x6½x4¾, 16-gauge steel, all welded, double reinforced corners, non-setting hinge. Heavy hasp makes it best value on market. $5.95 at dealers, $6.45 direct to cover postage and handling. Order one or more. Specify color wanted.

AT DEALERS OR WRITE KOOIKER MFG. CO., HULL, IOWA

was scheduled to meet tonight to set a date for the work stoppage. were reported destroyed.

# Wheat Farmers Aided by Light Grain Elevator

Washington, ... 16. (UP)—After weeks of wrangling, Congress ... grant ... execu ... A co ... either ... author ... recom ... by ...



Since this year's bumper wheat crop is overflowing the nation's commercial elevators and requiring many grain farmers to erect their own storage bins, they are finding the Belt Harvest-Handler Elevator a big help in filling these new bins.

Most home storage bins are filled through a manhole in the top, so this amazing 100-pound elevator, easily positioned by one man, is ideal for the job. Farmers keep the Harvest-Handler handy for loading and unloading operations by carrying it atop loads or on special truck brackets.

This elevator is constructed of the same durable aluminum alloy used in aircraft. Commercial elevator operators find this rugged featherweight will move 100,000 bushels of grain in a single year.

Harvest-Handler also moves ear corn and similar loads. A screen in the bottom of the trough filters out foreign elements.

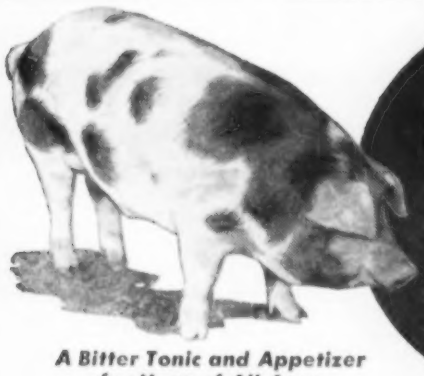
The hopper sides may be removed for use in "tight" places. Self-loading is also possible by removing hopper sides and cover plate below hopper.

The Belt Harvest-Handler sells for $197 with gasoline engine, $194 with heavy-duty electric motor, $179.50 with moderate-duty electric motor. It may also be purchased without engine or motor.

For information regarding the nearest dealer, write The Belt Corporation, Orient, Ohio.

THE BELT CORPORATION
7304 Stahl Road
ORIENT, OHIO





CONTROL NUTRITIONAL NECROTIC ENTERITIS USE Lee's ALKALINE POWDER

*A Bitter Tonic and Appetizer for Hogs of All Ages*

Here is a powder that is as easy to use as any liquid medication, and adapted to all common methods of feeding pigs and hogs.

Lee's Alkaline Powder is an aid in the prevention and treatment of Nutritional Swine Enteritis, and anemia of suckling pigs. It's a bitter tonic and appetizer for pigs of all ages.

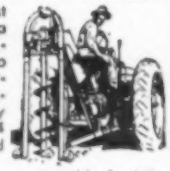
Write today for FREE pamphlet "Swine Enteritis" which explains cause, symptoms, prevention and treatment. Lee's Alkaline Powder—"Once used is always preferred".

For effective treatment of Large Round Worms, use Lee's Hog Oil Wormer.

GEO. H. LEE CO. Dept. 12-A Omaha, Nebr.



Do the Work of TWENTY Men With *Continental* Post Hole Digger



Dig 600 to 800 post holes a day with a Continental Digger. No soil's too tough for this sturdy timesaver. Easily attached to any tractor—digs to 4 ft. depth in hard or soft ground.

One-man operation—adjustable for hillside digging. Predetermined depth control, universal hitch, built-in power lift. Sold nationally through service dealers.

WIRE WINDER UNIT

Fits all Continental Diggers—winds or unwinds ¼ mile of barbed or checkrow wire in 2½ - 3 minutes.

*Write for Free Color Folder*

CONTINENTAL BELTON CO.
BELTON 11, TEXAS



*The* BEAR CAT
COMBINATION
Grain and Roughage Mill also Ensilage Cutter

NEW Adjustable Drop-Apron FEEDER

Model 2A-DFI

Grinds any feed—green, wet or dry. Snapped or ear corn, roughage bundles or bale flakes and no monkey business. It really grinds, and with ordinary farm tractor. Has both cutter head and heavy swing hammers. Adjustable Drop-Apron Feeder works in any position from ground to truck bed height. Get full information on this real honest-to-goodness Bear-Cat Grinder. Four sizes. Write—
**Western Land Roller Company, Bx. 176, Hastings, Nebr.**

**FARMER'S WOOL** made into blankets, batting, robes, and yarn. Wool batting washed and recarded, or made into blankets. Circular free. **MONTICELLO WOOLEN MILLS,** Monticello 6, Wisconsin.

**A SPRAY RIG** for only $69.50. For information write to **VALLEY FARM EQUIPMENT CO.,** Box 93 J, Geneva, Ill.


# Farm and Feed-Lot

## Wants To Kill All Seeds, Roots

**To the Editor: Is there anything I can put on the soil that will kill all weed seeds and roots? Will it hurt the next crop?—M. R., Howard County, Iowa.**

Sodium chlorate has been used for years to kill noxious weeds. The trouble is that it will sterilize the soil for as much as two or three years.

There may be some other method—smother crops, or new chemicals—that can handle the weeds bothering you. If you give us more information, we may be able to suggest an answer.

## DDT, Chlordane Will Kill Flies

**To the Editor: Flies seem to be extra thick this year. So we plan to spray them. What do you suggest as a spray?—E. G., Dubuque County, Iowa.**

Spray barns and other outbuildings, using a 50 per cent DDT wettable powder at the rate of two pounds in five gallons of water. This makes a 2½ per cent solution. Apply at the rate of one gallon for every 1,000 square feet of surface. If you have sprayed with DDT in previous years, you may want to change to chlordane. It should be applied as a 2 per cent solution.

For dairy barns, substitute 50 per cent methoxychlor for DDT.

## Maybe 'Hopper Bait Will Work Best

**Manufacturers of both chlordane and toxaphene agree that poisoned bran or bran-sawdust baits may kill more 'hoppers than either sprays or dusts under some conditions.**

In grain stubble, where there is little green forage, or in pasture areas where the forage is dry and brown, baits often give the best results.

Bait containing one pound of either chemical per 100 pounds of bran or bran-sawdust mix, applied at the rate of five pounds per acre, gives good results. The application rate for wet baits should be around 20 pounds per acre.

**AMOUNTS OF VARIOUS FARM PRODUCTS REQUIRED TO BUY A $1000 SERIES E SAVINGS BOND AT COST PRICE OF $750**

| PRODUCT | 1932 YEARLY AV. | 1939 YEARLY AV. | 1949 FEBRUARY |
|---|---|---|---|
| Hogs, 200 lb. | 112 | 60 | 20 |
| Cattle, 1000 lb. | 18 | 10 | 4 |
| Milk, cwt. | 586 | 446 | 173 |
| Eggs, cases | 176 | 144 | 60 |
| Wheat, bu. | 1,964 | 1,085 | 386 |
| Corn, bu. | 2,374 | 1,321 | 670 |
| Cotton, bales | 23 | 16 | 5 |
| Tobacco, lb. | 7,143 | 4,871 | 1,531 |
| Potatoes, bu. | 1,974 | 1,076 | 436 |
| Apples, bu. | 1,229 | 1,172 | 253 |

Based On Average Prices Received By Farmers


NEW! EASIER TO OPERATE!
A LOWER-PRICED MOWER

- LEAVES DRAW BAR FREE
- Automatic Safety
- EASY TO MOUNT
- HYDRAULIC LIFT
- LOW COST

FOR FARMALL H and M JOHN DEERE A and B

SEE Where You're Going Where You're Mowing

You Can't Beat A KOSCH TRACTOR MOUNTED POWER MOWER

AS LOW AS $168.40 F. O. B. COLUMBUS

No tiresome "looking back." Allows you to take full swath, cut faster. Amazingly easy to handle. Hydraulic and manual lift. Mounts on tractor in minutes. A "must" for FARMALL and JOHN DEERE tractor owners.

**Buy, "the mower with the cutting bar in front" now!** Write For Name of Your Dealer.

DEALER INQUIRIES INVITED

KOSCH MFG. CO., Dept. WF-9, Columbus, Nebr.



HEALTHY LIVESTOCK and HEALTHY PROFITS

Healthy animals are profitable animals. That's why it's good business to use the services of your ***Graduate Veterinarian.*** Your graduate veterinarian is the man best qualified to protect the health of your livestock.

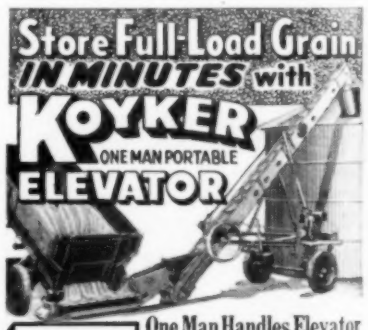
Diseases cut your profits from both ends—by killing animals . . . and by causing slower and more costly gains in those that do reach market, or by causing lower production in dairy cows and poultry.

Your job is to keep livestock disease losses to a minimum on your farm. This calls for a well-trained, qualified veterinarian—a ***Graduate Veterinarian***—the man you should call on to protect the health of the valuable livestock on your farm.

ARMOUR VETERINARY LABORATORIES
KAW STATION • KANSAS CITY 18, KANSAS
PRODUCER OF ARMOUR ANTI-HOG CHOLERA SERUM



Store Full-Load Grain IN MINUTES with KOYKER ONE MAN PORTABLE ELEVATOR



SPECIAL TILTING HOPPER
Edge only 11 in. from ground, allows maximum dump of truck or wagon body. Eliminates scooping. Convert hopper into low-cost drag feeder. Free plans for easy to build grain bin unloader. Write today!

One Man Handles Elevator
Full load grain from wagon to bin or crib in minutes. All-steel, spring mounted, rubber tired. Trails perfectly at high speed behind truck, car or tractor. Loads or unloads ear corn, wheat, shelled corn, barley, oats, rye, potatoes, soy beans and other hard to handle items at speeds from 15 to 60 bu. per min. Get full information from your dealer or write Dept. WF-716
KOOIKER MFG. CO. HULL, IOWA



SAVE ON GRAIN STORAGE COSTS!

Now, store 700 to 1500 bu. Corn, Grain, Hay, etc. at amazing low cost! New sectional easy-to-assemble Cribs and Bins save you real money. Many models, including All-Galvanized Steel Grain Bins; Galvanized wire-welded Cribs; Permanent heavy 18-ga. Steel Slat Cribs; Galvanized Liners and Floors for all types of cribs. FREE LITERATURE.

Write today for descriptions and money-saving prices. No obligation.

H. D. CAMPBELL CO.
ROCHELLE 44 ILLINOIS

# Cook Picking Beds PICK CORN CLEAN!

**. . . in any weather!**

The Cook Picking Bed permits you to run snapping rollers closer together, allowing them to snap more ears and save you around 80 per cent of the shell corn ordinarily lost in the field. Clean corn dries faster, shells easier. Field tested for 5 years. Easy to install, nothing extra to buy, shipped complete.

Save time, money and corn with the Cook Picking Bed.

Also makers of Tiger Rubber Husking Rolls for most makes Cornpickers.

FOR MODELS "P" & "I" CASE and G. I. Cornpickers

*Write today for Free Literature*

COLUMBUS STEEL FABRICATING CORP.
Dept. WF 15 Columbus, Nebraska



# "CARBOLA BARN SPRAY STICKS TO THE JOB"

**says Charles O. Laverty**
**Indianola, Iowa**

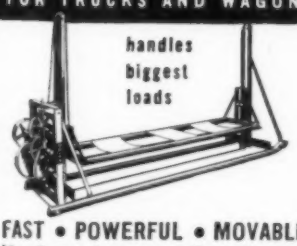
"No peeling or flaking with Carbola barn spray and no rusting of the metal parts," says Sprayman Laverty. Carbola saves time in doing three jobs at once: kills on contact such disease germs as hog cholera, mastitis, tuberculosis and Bang's Disease, dries whiter with no flaking off and controls 90% of cobwebs up to 10 months. Use both forms of Carbola for sanitation and fly control—in the dairy stable, use Carbola and in other farm buildings apply Carbola with DDT. Write to Carbola, Natural Bridge 225, N. Y., for the name of your Certified Approved Carbola Sprayman or dealer.

LISTEN TO CARBOLA FARM NEWS AND MARKETS

WMT—Farm Forum 6:30 A.M. CST—Mon., Wed., Fri.
WCCO—Your Farm Neighbor 8:15 A.M. CST—Sunday
WLS—Larry McDonald 6:00 A.M. CDT—Thursday
WNAX—Good Morning Neighbor 6:15 A.M. CST—Tues., Thur., Sat.



**MEYER** *Portable* PLATFORM HOIST FOR TRUCKS AND WAGONS




**FAST • POWERFUL • MOVABLE**

Handles trucks—wagons. Drives Portable Elevator by tumbling rod—no speed jack needed. Positive Friction Clutch control. Adjustable automatic throw-out. Stop, start, raise or lower from any lift position. Heavy rigid construction. Easily moved. FREE — *Write for circular, prices, and dealer's name—sent FREE by return mail.*

THE MEYER MFG. CO., Box 765 Morton, Ill.

MAKERS OF FAMOUS MEYER ELEVATORS



*Corn Storage Problem?* Lick it with NEW Bestfarm

**Dual-Purpose Bldg!**

UTILITY BUILDINGS AND GRANARY FOR AS LITTLE AS 30c PER BUSHEL!

• DON'T be over built on one use grain storage buildings. Get all details on new double purpose Bestfarm Building . . . the handsome, lifetime aluminum covered building that gives you space galore for all your storage needs—machinery, grain, shop—at a cost unbelievably low. Don't delay—WRITE TODAY.

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**PATENTS** Write for information on what steps an inventor should take to secure a patent.
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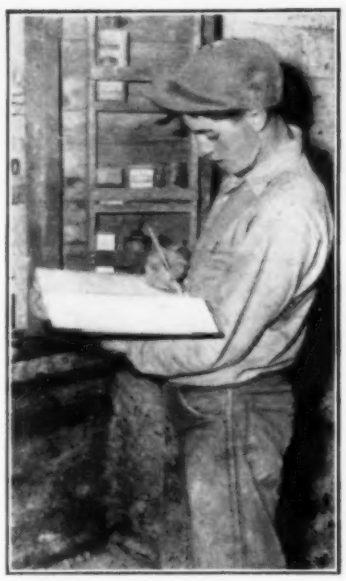
**— OUR ADS ARE NEWS —**



**Dairy record book is kept in a convenient barn cabinet, helps Clarence Purfeerst, of Rice county, Minnesota, keep tab on his cows. Here, he checks record.**

## Check Temperature In Pasteurizer

**Greater numbers of home pasteurizers are being used in Iowa. But there is a tendency to overestimate what pasteurization can do, says A. W. Rudnick, Iowa State College**

Pasteurization does not eliminate the need for sanitation and health measures.

Keeping milk at the proper temperature is essential to pasteurization. Automatic time and temperature controls on many home machines may easily get jarred out of order. So Rudnick advises temperature checks with a good mercury thermometer.

Milk should be held at 145 degrees F. for 30 minutes.

## Naphthalene Drives Bats Away

**To the Editor: How can I get rid of bats in my upstairs rooms? They are terrible, and I don't know what to do.—Mrs. R .T., Allamakee County, Iowa.**

There are two ways to get rid of bats: Close the openings thru which they get inside, or treat their roosts with a chemical they don't like.

Most effective bat repellent is naphthalene flakes. You can get them at your local drug store. Bats dislike the gas given off by naphthalene flakes and will leave shortly after the flakes are spread near them.

Throw the flakes around liberally. Two to five pounds are required for the average bat roost in dwellings.

The trouble is that after the naphthalene odor disappears, the bats may return. So, after the naphthalene drives the bats out, close all the openings thru which they enter your house.

Use strips of metal or wood. Or stuff rags in smaller cracks. Be sure to get even the small cracks. Small species of bats can use an opening three-eighths of an inch wide.

**THE UNITED STATES** has been and always will be a free country, where a man can do as his wife pleases.—Marathon Republic.


# Get the most $'s from Manure

Dependable, fast-working John Deere Manure Handling Equipment cuts loading and spreading costs—*makes every load of manure pay you more dollars.*

**More Loads with Less Work**

Whether working in open lots or in sheds, the John Deere No. 25 Manure Loader with improved *continuous power* insures faster loading with less work for the operator. *Continuous power* means less shifting of gears—a full bucket every time.

Simple, quick-acting controls . . . big-bite, easy penetrating bucket . . . parallel arm construction, which permits digging into the pile at any height, a shorter drop of the manure into the spreader, and less scattering of manure from pile to spreader . . . power bucket shaker for complete emptying of bucket . . . and proper weight distribution of loader on tractor for good traction, are extra value features of the No. 25 Loader.

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Ruggedly built to stand up under heavy, mechanical loading, the all-steel Model "H" gives years of low-cost service. Heavy-duty beaters run on draft- and wear-reducing roller bearings. Feed ratchet is enclosed and runs in oil.

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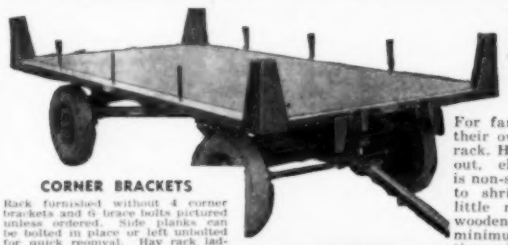
# ANTHONY FLAT RACK BED



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★ DESIGNED FOR HIGH SPEED OPERATION

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**CORNER BRACKETS**

Rack furnished without 4 corner brackets and 6 brace bolts pictured unless ordered. Side planks can be bolted in place or left unbolted for quick removal. Hay rack ladder pockets (4) also available.

**LOW SIDE BOX**

Left: Anthony all steel 7 x 14 ft. large size combination flat rack and low-side wagon. Many special features. Fits any gear. Write for prices, pictures.

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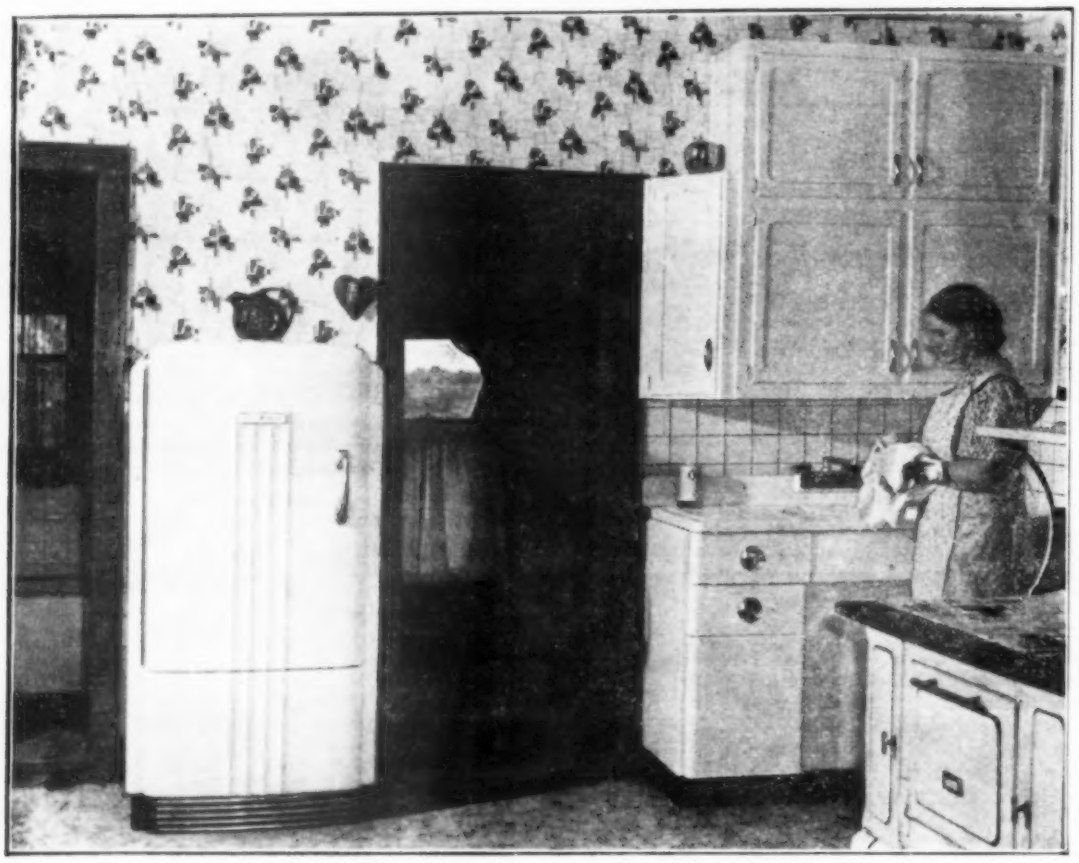
# Homemaking Department

*Edited by* ZOE MURPHY



**Modern equipment has done away with the hot kitchen. Mrs. Howard Brown, of Wapello county, Iowa, finds it pleasant to prepare meals in summer-time now.**

## Hot-Day Desserts

THE mechanical refrigerator is lessening the unpleasantness of hot days in several ways. One of the best contributions to our comfort is that we can have ice cream available with a minimum of labor.

Mix up the ingredients, place in the freezing tray, stir once or twice or maybe not at all, according to recipe, then forget it until serving time. No freezers to turn, no thawing ice to clean up.

**There is no need for monotony in refrigerator ice cream, either, for there are kinds and kinds, and every one of them is delicious.**

When morning dawns with the promise of a scorching day to follow, prepare one of the following desserts and let it be the refreshing bit of coolness at supper or later on the front porch.

### RASPBERRY FROZEN GLACE

Cook two-thirds cup sugar, one-fourth cup water and one-half teaspoon soda until syrup spins a thread. Cool slightly. Beat two egg whites with a pinch of salt until stiff. Add syrup, beating continuously. Beat until cool. Crush one pint raspberries and fold into frosting. Chill one cup light cream in freezing tray until it begins to freeze around edges. Pour into chilled bowl and whip until thick. When custard-like, add one teaspoon lemon juice. Contiue beating. Fold into raspberry mixture. Pour into freezing tray. Freeze as quickly as possible until firm—one to two hours. Serves six.

### VANILLA ICE CREAM

**1½ cups heavy cream**
**⅔ cup sifted powdered sugar**
**1 cup top milk**
**1 teaspoon vanilla**
**Dash of salt**

Whip cream to consistency of thick custard; fold in sugar. Add vanilla and salt to top milk, stir slowly into first mixture. Pour into freezing tray of refrigerator and allow to freeze until set.

### ORANGE SHERBET

**6 tablespoons sugar**
**1 cup boiling water**
**½ package orange gelatin**
**2 egg whites, stiffly beaten**
**2 cups orange juice**
**½ cup pineapple juice**
**2 teaspoons lemon juice**
**⅛ teaspoon salt**

Combine one-fourth cup sugar and boiling water. Cook 10 minutes. Pour over gelatin. Stir until dissolved. Cool. Add juices. Pour into refrigerator tray and freeze rapidly until partly firm. Beat until smooth. Fold in remaining sugar, salt and egg whites, which have been combined and beaten two minutes. Freeze until firm.

### PEACH WHIRL ICE CREAM

**2 eggs**
**1 cup light corn syrup**
**1 cup milk**
**½ teaspoon vanilla**
**1 cup heavy cream, whipped**
**3 cups sliced peaches**
**3 tablespoons sugar**
**⅜ teaspoon nutmeg**
**3 drops almond extract**

Beat eggs until thick; add syrup, milk and extract. Fold in cream. Freeze in automatic refrigerator until a one-inch layer is frozen around edges. Beat until smooth. Return to tray. Sieve peaches to measure one cup puree; add sugar and nutmeg. Cook 10 minutes. Draw spoonfuls thru ice cream. Continue freezing until firm. Will serve six to eight.

### BLACK WALNUT CARAMEL ICE CREAM

**1 cup sugar**
**2 cups milk, scalded**
**2 egg yolks, beaten**
**¼ teaspoon salt**
**1 teaspoon vanilla**
**2 egg whites, stiffly beaten**
**1 cup heavy cream**
**½ cup black walnut meats, chopped**

Caramelize one-half cup sugar; add milk slowly and stir until the sugar dissolves. Add remaining one-half cup sugar and egg yolks; cook in double boiler until thick. Remove from heat. Add salt, vanilla and nutmeats. Cool. Fold in egg whites and cream whipped to custard consistency. Freeze without stirring in automatic refrigerator tray until firm—two and a half to three hours. Serves six.

**Mrs. H. S. Fredericks, of Franklin county, Iowa, finds that summer meals are easy when you have an electric refrigerator.**

Mrs. Louis Culver, Harrison county, Iowa, has remodeled her kitchen. She has added a new sink and cupboards.

# COUNTRY AIR

*By* ELIZABETH C. WHERRY

"POOR Mother! Going bugs at her age!"

* * *

So wrote one of my daughters-in-law. What had I done now? Then I remembered. The last letter I'd written her was under the study lamp, on a hot, good-for-the-corn June night.

* * *

My paper, the desk, my hands, my hair were covered by many little bugs of such fascinating shape and variety that I couldn't resist describing them in the letter.

* * *

**Somebody told me one time that there are so many bugs in the world that bugologists have never named them all.**

* * *

Well, why should they? A minor insect by any name at all probably would go on living out its brief destiny just the same.

* * *

What purpose bugs have in life beyond the propagation of themselves I wouldn't know about. My favorite of the tiny insects that are small enough to slip thru the screens and make themselves free with my correspondence is a tiny green one.

* * *

Routed from my scribbling by these curious creatures stamping in lordly fashion across my letter, I started upstairs to bed.

* * *

Somebody had left "The Genealogy and History of the Wherry Family" on the table. I picked it up and lost myself in speculation over the Davids and Jameses and Johns of the Wherry generations.

* * *

A family history such as this is of no particular historical value unless somebody died and left a million or two to some branch of the family (most unlikely), or if someone wanted to trace a criminal streak somewhere (still more unlikely).

* * *

It doesn't tell of the personalities, struggles and human virtues and frailties of the clan. It mostly tells who married who, where they lived — ever westward — and how many children they had.

* * *

Then I got to wondering just how far down to date our immediate history had been written in the old family Bible.

* * *

I pulled the Bible out of a stack of dusty books and traced the design on the tooled leather cover with my finger. Just as I had done so many times as a child when the Book lay on the parlor center-table.

* * *

I turned to Isaiah and wondered as I read why we don't use big, old family Bibles more. With big print, they lie flat on the table, and are much easier to read than limp-leather, small-print Bibles of the Oxford type.

* * *

**People who have dismantled homes have found many worn limp-leather Bibles, with fresh and unworn leaves inside. The big, old Bibles used for family worship invited use by their very format.**

* * *

And then I fell to wishing that I knew a little more about how come Isaiah, and I picked up a little book that has been on my bedside table for a long time, waiting the time when I'd be in the mood to read it.

* * *

The book is "The Bible and the Common Reader," by Mary Ellen Chase, who wrote "Mary Peters" and "Silas Crockett."

* * *

Mrs. Chase reserves Chapter 6 as Isaiah at his best, and says: "With all due admiration for Isaiah's power as a thinker, one should assign him higher praise as a poet."

* * *

For my part, the third verse of Chapter 61 bears the most beautiful philosophy of all: ". . . beauty for ashes, the oil of joy for mourning, the garment of praise for the spirit of heaviness."

* * *

What a gracious old world this would be if we all lived by that.


## Canning Comments

For flavorful canning choose tender, young field-fresh vegetables. Remove bruised and over-ripe pieces. Before cutting or opening, wash each vegetable in clear, cool water. After preparing vegetables, slice uniformly, if necessary, for neat appearance in the jar. Wash again. Drain at once and process. When packing in water, fill jars to within one-half inch of top. For cold packed fruits, add syrup to one and one-half inches of jar top. For hot packed fruits, add syrup to one-half inch of jar top. Be sure you pack fruits and vegetables loosely for free circulation of liquid.

Since canning is *quantity* cooking, you need plenty of fast, efficient heat. And that's where Philgas shines! The Philgas flame *speeds* boiling, *avoids* processing delays. Yes, with Philgas in your kitchen you *can can* quickly, economically, pleasantly!

Range shown is a Philgas Hardwick Model 1248-D

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Whether it is a thresher's dinner or breakfast for two, it's easy to turn out *cooking triumphs* with Philgas. This modern bottled gas is an ideal labor-saving fuel for cooking, automatic water heating and refrigeration.

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# SURPRISE RECIPE!

## Absolutely New, Positively Wonderful PEACH and APPLE JAM!

**Hurry! It's so quick and easy to make with this brand-new Sure-Jell recipe!**

**PEACH-APPLE JAM**

4 cups prepared fruit
1 teaspoon grated lemon rind
½ cup lemon juice
5½ cups sugar
1 box Sure-Jell

**To prepare fruit.** Peel, core, and chop fine 1½ pounds fully ripe apples. Peel and pit 2 pounds fully ripe peaches. Chop fine. Combine fruits; measure 4 cups into *large* saucepan. Grate rind from 1 lemon; measure 1 teaspoon. Reserve. Squeeze juice from 2 or 3 lemons. Measure ½ cup into saucepan with fruit.

**To make jam.** Measure sugar; set aside. Place saucepan of fruit over high heat. Add Sure-Jell; stir until mixture comes to a hard boil. At once stir in sugar. Bring to *full rolling boil; boil hard 1 minute*, stirring constantly. Remove from heat. Add lemon rind, skim, and ladle quickly. Paraffin. Makes about 8 six-ounce glasses.

A Product of General Foods

Celebrating their victory over a bottle of milk are the 1949-50 state girls' 4-H officers. From left, they are: Carol Legg, Black Hawk county, historian; Doris Whade, Clay county, vice-president; Donna Eichelberger, Muscatine county, president, and Margaret Mitchell, Linn county, secretary-treasurer.

# *Four Days Of Fun And Inspiration*

### Twelve Hundred Girls Gather at ISC For The Annual 4-H Club Convention

IOWA'S 4-H Club girls held their annual convention on the campus of Iowa State College in June. Twelve hundred delegates, representing every section of the state, spent four days full of fun and inspiration.

For most of the delegates, these were four of the most eventful days they'd experienced in many a month—four days crammed full of speeches, demonstrations, elections, singing and just plain "get-together" sessions.

**Each girl carried home with her memories of crowds of 4-H-ers, dressed for the first time at a state convention in their new blue-green uniforms and crisp white ties.**

Each had memories, too, of 1,200 voices joining in to sing the traditional 4-H convention songs just as dusk fell over the stadium in Clyde Williams Field.

And included in those memories recorded on the pages of each girl's 4-H diary will be the inspirational speeches of Dean Kildee, the Rev. Murray W. Allan, Mrs. Blanche Spaulding, Florence Fallgatter and Esther Whetstone.

Not that each girl could ever remember everything she heard, but few will forget the challenging remarks of Kildee when he said: "You must prepare yourself for greater success, happiness and usefulness—for the rural youth of this nation will have the opportunity to influence for good the people in all lands."

Neither will the girls forget the advice given by the Rev. Mr. Allen: "No good member of the 4-H Club can bury her talent, for to do so is to deny the purpose of the organization."

In the tone of the central convention theme, "Developing Talents for Greater Usefulness," Mrs. Spaulding, a former state girls' 4-H Club president, expressed the wish that they would give height, width and depth to their lives by developing their talents to the utmost.

And, in that same tone, Miss Whetstone, state leader of 4-H girls, questioned: "This is the time when you are to experience and accomplish the things you have planned—when so many paths are open for you to explore. Which way will you go?"

Miss Fallgatter, head of the home economics education department of the college, told the delegates that their home economics training would be useful not only to society but to each girl and her family when she marries.

Inspirational memories were not all that the girls went home with—they carried with them also practical ideas for achieving more individuality in their clothing, easier ways to do the job of dish-washing, and decorating hints for their rooms.

**To those ideas could be added a new outlook on the feeding of the "billion hungry people in this world, ways of refinishing modern furniture, and ways to design modern textiles.**

"Oh's" and "Ah's" rose from the 4-H audience as "teen-age girls" from Ames modeled new summer dresses, pedal-pushers, bathing suits and formals in front of a garden background. It was all a part of a "Something for Summer" style show.

In contrast to these "latest" in fashion-wear was the Old-World costume worn by Hennie Hansen, foreign exchange student from Denmark. She explained that it was worn only on special occasions nowadays—that 'teen-agers in her country dress "just as you do over here."

Earlier in the convention, Miss Hansen described the 4-H program in her country, where they, too, have the four H's—"haand" for hand, "hould" for head, "helbred" for health and "hjerte" for heart.

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So if you suffer heartburn, indigestion, sleeplessness, make this test: *give up coffee—give up tea—drink* POSTUM *exclusively for 30 days—judge by results!* Remember, POSTUM contains no caffein or other drug—nothing that can possibly cause indigestion, nervousness, sleeplessness! Ask your grocer today for INSTANT POSTUM — A Vigorous Drink made from Healthful Wheat and Bran.



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# *Travel Games For Children*

IF YOU are planning a trip soon, you will find these games amusing for the children, and, unless I am greatly mistaken, you will find Mother and Dad joining in the fun, too.

Before you begin your day's trip, make a list of objects commonly seen along the highway. You might list dog, tractor, barn, schoolhouse, swing, church, store, haystack, cow, pig, and so on. As soon as anyone sees one of the objects he checks it on his list. The winner is the one who first sees all the things.

**Another game is to watch car license numbers from different states, and write down the names of the states on a U. S. map. This will teach you the location of various states.**

An old standby that is always fun is finding the letters of the alphabet in correct order on signs that you pass. Or, for a little different version, find letters to spell the children's names.

Decide upon a certain color, such as red, and see who can find the most objects of that particular color between designated towns or places.

We still think it is fun to watch for white horses and "stamp" them so our wishes will "surely" come true.

Another good game is a car-color game. Allow one point for a black car, two points for green, three points for red, four for blue, and a station wagon counts five points. Take turns on the cars that pass, and see who has the highest score at the end of the game.

Alphabet object games are good for sharp eyes. Write the letters of the alphabet on your paper and, as you see any object beginning with any of the letters, write it down. For the letter "A" you might see an apple tree; a "B" might be a boy.

**This list does not have to be in alphabetical order; you just write any object as you see it. If you see a pig before you see a cow, put them down in that order.**

The older children will enjoy having along a map of the state in which you are traveling. As you drive along the road from town to town, or from one historic spot to another, the children may mark these on the map.

This list will be fun to keep in a scrapbook, especially if you make little notes of the funny or interesting things that happen at some particular place you have gone thru on your way.

We even marked ours with such captions as "A good place to eat," "Stay here overnight," "Find the antiques here." (If your husband doesn't mark this out, you are fortunate.)

A map such as this will be invaluable to your friends who may make the trip later for the first time.

If you can keep the children from becoming bored and restless, your motor trip will be fun for the whole family. Clip these travel-fun ideas, take them with you—and do have a good time—all of you!—Mildred Cathcart, Appanoose County, Iowa.

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1. food-safe enamel over 2 under coats;
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3. lids packed so they can't stick together.

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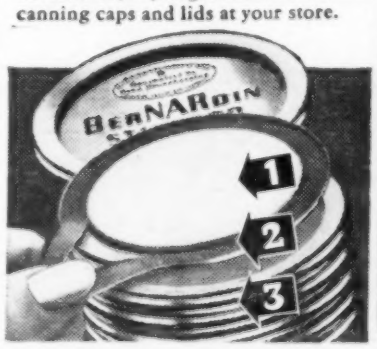

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Enjoy economy of foods kept fresh in space saving Handi-Bags right away. Send $1.00 for each set today. We ship immediately prepaid. Money back guarantee. No C.O.D.

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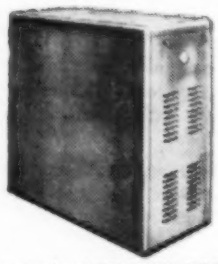

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JUST SLIDE 'EM IN!...


# COOKERY CORNER

### FRESH PEACH ICE CREAM

**1½ cups heavy cream**
**2½ cups fresh peaches, mashed**
**¾ cup sugar**
**¼ teaspoon almond extract**

Whip cream and combine with peaches, sugar and extract. Mix thoroly. Pour into refrigerator tray and freeze until semi-solid. Remove from tray and beat in a chilled mixing bowl. Pour back into tray and return to refrigerator and freeze until solid. Will serve six.

### CHOCOLATE HERMITS

**¾ cup shortening**
**½ cup brown sugar**
**½ cup granulated sugar**
**2 eggs**
**1 cup plus two tablespoons flour**
**1 teaspoon baking powder**
**½ cup cold coffee**
**1 teaspoon cinnamon**
**¼ teaspoon salt**
**3 cups quick-cooking oats (uncooked)**
**½ cup chopped nutmeats**
**1 seven-ounce package chocolate bits**

Cream shortening, adding sugar and blending well. Add beaten eggs, one at a time. Sift together the flour, baking powder, salt and cinnamon. Add to creamed mixture, alternately with the coffee infusion. Add the oatmeal, and, lastly, the nutmeats and chocolate bits. Drop from a teaspoon on a well-oiled cooky sheet and bake for approximately 12 minutes at 375 degrees. Makes five dozen (or more) cookies.—Mrs. Wm. P. Norris, Keokuk County, Iowa.

### ANGEL CREAM

Beat two egg whites until stiff and dry, then fold them into one-half cup powdered sugar. Beat one quart cream until stiff, and fold into egg and sugar. Add one cup nutmeats broken finely, one-half cup canned pineapple and one-half cup maraschino cherries. Put into one-pound coffee cans—filling them two-thirds full. Makes three cans, with six servings to a can. Pack with salt and ice and freeze for two hours. Take from cans, slice and serve.—Mrs. Hattie Patterson, Jasper County, Iowa.

### VANILLA WAFER DESSERT

**1 cup unsweetened pineapple juice**
**1 cup heavy cream, whipped**
**24 marshmallows, quartered**
**½ cup orange juice**
**Dash of salt**
**20 vanilla wafers**

Combine fruit juices and salt; bring to boiling. Add marshmallows and stir until dissolved. Cool. Fold in whipped cream. Alternate layers of marshmallow mixture and wafers in refrigerator tray, using wafers for top and bottom layers. Chill until firm. Cut into squares. Serves six.

## *Delicious Ice Cream Roll*

**6 tablespoons sifted cake flour**
**6 tablespoons sifted cocoa**
**1 teaspoon baking powder**
**¼ teaspoon salt**
**4 eggs, separated**
**¾ cup sugar**
**2 tablespoons water**
**Confectioner's sugar**
**2 pint packages of vanilla ice cream**

Sift together flour, cocoa, baking powder and salt. Beat egg-whites until stiff; add half the sugar, gradually beating until very stiff. Add the water to the egg-yolks and beat until light; gradually beat in remaining sugar; fold in sifted dry ingredients. Fold into beaten egg-whites.

Line a shallow pan, 10x15 inches, with waxed paper, having the paper extend one inch beyond the edge of the pan. Turn batter into the pan and bake in a 400-degree oven for 12 to 15 minutes.

Sift confectioner's sugar on brown paper. Turn cake out on this and quickly remove waxed paper. Roll up like a jelly roll.

When ready to serve, carefully unroll. Cut two pint packages of ice cream into four slices. Place slices on cake, smooth with a spoon, re-roll. Serve at once. Yield, eight servings.

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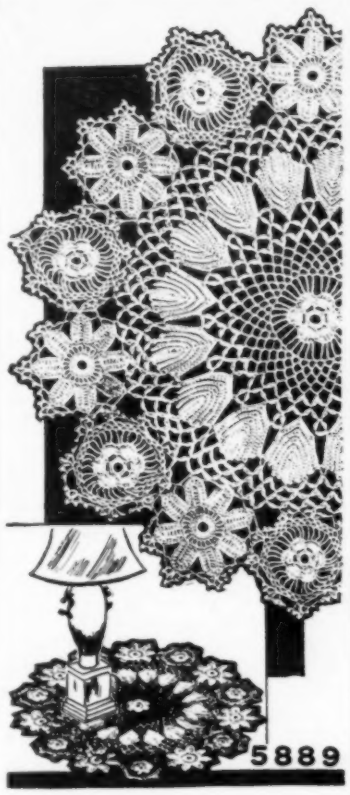


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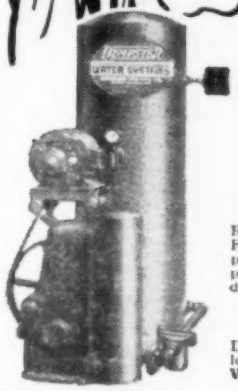

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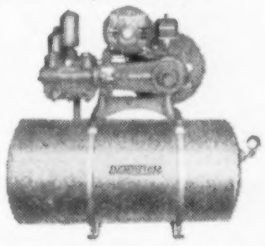

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# The Farm Flock

**EGG PRICES** should be fairly good this fall—about as high as last year, says Ralph Baker, of Iowa State College. But from October on, prices could slide in a hurry—unless they're held up by government price supports.

▲ ▲ ▲

**IT LOOKS NOW** as if some 380 to 445 eggs per person will be laid during the year from October, 1949, thru September, 1950. If that 445 figure is reached, we'll have as many eggs per person as in the record year of 1944. But we don't have a lend-lease program to help use them up now.

▲ ▲ ▲

**MORE MEAT CHICKENS** will be going to market in the next couple of months, too. So it will pay to sell your light-breed fryers as soon as you can—at least before they get to three pounds. Heavy breed roosters may bring a fair price at four to five pounds—if you keep them on full feed and don't let them get staggy.

▲ ▲ ▲

**BUT IT MAY PAY** best to sell even heavy-breed young birds at three to four pounds. A complete chicken ration, says Iowa State College, now costs about 3 cents a pound. It takes about 4½ pounds—or 14 cents' worth—to produce the third pound on a chicken. And the cost goes up as the chicken grows. The fourth pound will cost more—about 17 cents. The fifth pound of gain will mean a feed cost of 19 to 20 cents, and the sixth pound 22 to 23 cents. So you can figure how much money you'll lose if you keep your meat birds too long.

▲ ▲ ▲

**HOW MUCH** are your hens costing you for every dozen eggs they lay? Colorado A. and M. College says you can find out this way: Multiply the average number of pounds of feed eaten per day by the price of the feed per pound. Then divide by the number of dozens of eggs laid daily. That gives you the cost per dozen.

▲ ▲ ▲

**YOU'LL HAVE** better luck with chickens on range if you follow these four tips from the University of Illinois: Keep range grass mowed short; keep range fences in good shape; move shelters and feeders to clean areas; make sure your automatic waterers are working right.

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**He Planted** this tree, lived to see it cut down. It was planted by Scott Moyer, 88, Tama county, Iowa, when he was 8.

# Group To Fight Brucellosis

**A committee to direct an all-out fight on brucellosis in Iowa has been named by the Iowa Farm Bureau.**

Members include: Farm Bureau President Howard Hill; State Veterinarian Dr. H. U. Garrett; Dr. Charles W. Brown, Bureau of Animal Industry, USDA; Dr. K. W. Stouder, Iowa State College extension veterinarian; Dr. J. D. Shoeman, Iowa Veterinary Association president; Dr. R. H. Heeren, State Department of Health; Austin Finnessy, Iowa Federation of Labor.

Also on the committee are these farm people: Mrs. T. A. Ledlie, Polk county; Scott Ellis, Dallas; Charles Hearst, Black Hawk; Ed Ingelsby, Boone; J. Kendall Lynes, Bremer county.

## Newcastle Calls For Vaccination

**Now that Newcastle disease is widespread in Iowa, what can you do about it?**

It's probably necessary to vaccinate if you want to be sure to keep the disease out of your flock, says Dr. C. D. Lee, extension veterinarian at Iowa State College.

But that doesn't mean you should give up on sanitation measures, says Lee. Clean houses, separation of old and young birds, and keeping out unnecessary visitors still are as important as ever.

Two vaccines are available for controlling Newcastle—live virus and killed virus. Either is good, but the one to use depends on what you want to accomplish, Lee says.

Live virus can be used safely after chicks reach four weeks and before pullets start to lay. But it shouldn't be used if there is some other disease in the flock. And all birds must be vaccinated at the same time, because those shot with live virus may be carriers for a while.

Killed virus vaccine can be used on birds of all ages—whether day-old chicks or laying hens. It won't cut egg production and it won't spread the disease. It may not give quite as long an immunity, tho it will last for several months, and maybe even for life.


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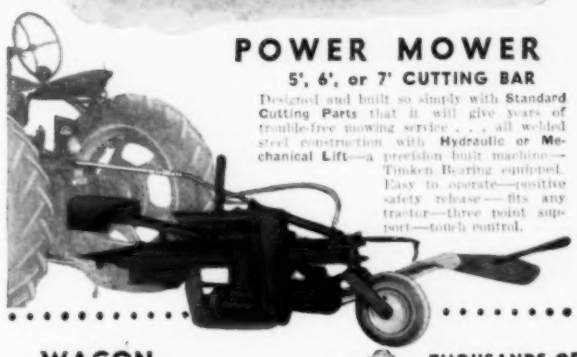

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## From where I sit ... *by* Joe Marsh

# Remember How We Talked?

**It went like this at the Hooper's the other night. Hap's eighteen-year-old daughter is talking about "a real gone guy—solid—out of this world, but def."**

"Now what kind of language is that?" Hap barks. "Can't she speak English?"

**"I'll translate it for you," Ma Hooper says, "in the language of the twenties, when *you* were about twenty years old. She simply means this fellow is the 'cat's whiskers.' Remember how *we* used to talk sometimes?" Hap went back to reading his newspaper.**

From where I sit, it's easy to criticize the other person when we don't take a good long look at ourselves. Sure, there'll always be some differences. I'm fond of a temperate glass of beer and maybe you would prefer ginger ale—but let's just live and let live. Because when we go out of our way to find things to find fault with in others, chances are they can find a few in us, too.

*Joe Marsh*

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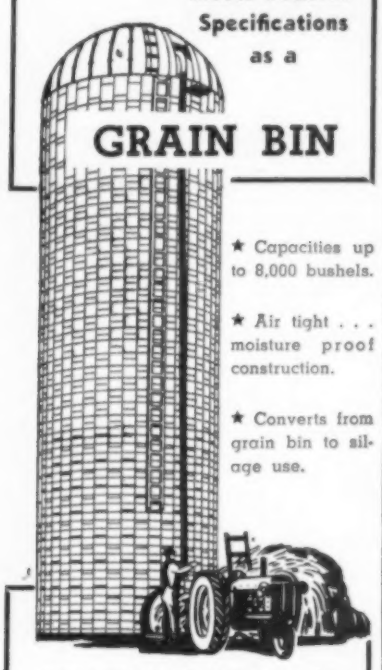

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# Post-War History Not Repeating

## *Farm Prices Broke A Year Sooner After World War I And Dropped Much Faster*

**How long and how far will farm prices slide? Here's the way Iowa State College Economist Francis Kutish sees the future:**

THIS post-war business readjustment is acting differently than the ones after World War I and the Civil war.

This time, the readjustment started later. Prices broke the first year after the end of the Civil war, the second year after World War I. But the World War II price break came in the third year.

And the readjustment is not going so fast this time, either. Prices slumped 40 per cent in the first eight months after the World War I peak, one-fourth in five months after the Civil war peak. The price drop in the first eight months after the World War II peak amounted to only 10 per cent.

But more drop in business is in sight before times get better.

**Steel long has been the weather-vane of the heavy goods industry; it is showing signs of weakening demand. Bank loans are shrinking. Unemployment is rising. Retail trade is slipping. Building of new houses has made a sharp slump.**

You can't tell exactly what will be the timing of this readjustment period. But the way things look now it won't be over until some time in 1950.

So farmers can look for some underlying weakness in the demand for their products this fall. But no collapse is in sight.

The usual seasonal price pattern for farm products is changing, too. Seasonal price rises won't last as long as usual. And they won't go as high. Seasonal price drops will be sharper and last longer.

Here is a thumbnail sketch of the commodity outlook:

**HOGS:** The fall drop in hog prices will start some time within the next six weeks or so. There are more early pigs—more cattle on feed—more chickens and turkeys. This means more meat this fall. And demand will be below a year ago. The government may have to support hog prices by mid-September.

**CATTLE:** In other times like this, it didn't pay to hold fat cattle after costs caught up with gains. Prospects for a sustained rise in cattle prices during the next few months are not bright. Look for feeder cattle to come to market earlier this fall. The spread between heavy and light feeder cattle probably will be wide. Sell off-quality heifers and old cows soon.

**CHICKENS:** Poultrymen face trouble. A parade of chicks has come from hatcheries this year. Commercial production of three-pound frying chickens is heavy. Keep pushing cockerels and pullets with a full feed—cockerels for early sale, pullets for early laying.

**GRAINS:** Government loans or purchase agreements will offer your best cash market this year. Be sure you have enough storage space to take advantage of this market. Present prices of corn futures indicate you will be able to buy old corn for around $1.15 this fall. Livestock feeders will be able to make money by sealing their own corn and buying lower-cost corn to replace it.

**TURKEYS:** The 1949 turkey crop will set a new record. Turkey prices in September and October will be higher than later.

## Hammermill Helps Seed Grow

**In many parts of the plains states, farmers and ranchers have wanted to re-establish buffalo grass.**

First, it was difficult or almost impossible to harvest seed.

Finally, years of research developed a long-culmed kind, known as the Hays variety. This strain, under irrigation, has averaged 400 pounds of seed per acre for the last six years.

Then a new trouble appeared. Germination was only 2 per cent.

So researchers finally tried running the seed thru a hammermill to break down the burs. Germination went up to 75 per cent or more. A pound of seed, after it has been thru a hammermill, will produce as many seedlings as 40 pounds of the burs as they come from the plants.

YOU NEED THIS WORLD'S BEST AUTO JACK

This is the Triangle Safety Jack you've needed for years. Built to do the "impossible" jobs of jacking up your car on hills, in mud and ruts. So simple and safe a child can use it. Slides under 2" axle clearance while you stand clear of car. Load is cradled on safety chain which prevents slipping or rolling. Fits old or new cars. Compact, one piece, all-steel construction. Over 200,000 satisfied users. If not at your dealers, send $10.50 direct. Postage paid if price accompanies order, otherwise C. O. D.

IMMEDIATE SHIPMENT

TRIANGLE JACK CO., INC. 1208 So. Washington, WICHITA, KANSAS

NOW! GET A FARM HOIST

STOP SHOVELING LET THE TRUCK DO THE WORK

Fits under your own platform, grain or stake body. You can find out all about Anthony Farm hoists from any truck dealer . . . find out how easy and inexpensive it is to make a dump truck out of your own platform, stake or grain body. Anthony "Lo-Dumper" Farm Hoists save shoveling grain, coal, lime, gravel, produce . . . IN USE 12 MONTHS IN THE YEAR. Low loading height. Powerful, long lasting, efficient. Thousands in use. Made by truck hoist specialists.

Distributed by: MOLINE BODY CO., Moline, Ill. HAWKEYE TRUCK EQ. CO., Des Moines, Iowa

ANTHONY HYDRAULIC STREATOR, ILL.

5 doctors prove this plan breaks the laxative habit

If you take laxatives regularly—here's how you can stop!

Because 5 New York doctors now have proved you may break the laxative habit. And establish your natural powers of regularity. Eighty-three percent of the cases tested did it. So can you.

Stop taking whatever you now take. Instead: Every night for one week take 2 Carter's Pills. Second week—one each night. Third week—one every other night. Then—nothing!

Every day: drink eight glasses of water; set a definite time for regularity.

Five New York doctors proved this plan can break the laxative habit.

How can a laxative break the laxative habit? Because Carter's Pills "unblock" the lower digestive tract and from then on let it make use of its own natural powers.

Further—Carter's Pills contain no habit-forming drugs.

Break the laxative habit . . . with Carter's Pills . . . and be regular naturally.

When worry, overeating, overwork make you irregular temporarily—take Carter's Pills temporarily. And never get the laxative habit.

Get Carter's Pills at any drugstore for 33¢ today. You'll be grateful the rest of your life.

MOZ-ALL POWER MOWERS

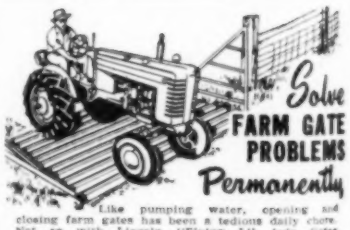
WEED CUTTING . . For easy trimming under fence rows . . around the barnyard . . in the orchard . . MOZ-ALL can't be beat!

Powerful gas engine does the work. Hi-speed steel blade cuts shoots, scrubs and all types of undergrowth. You pick the weed patch, MOZ-ALL does the work.

MOZ-ALL 3 different sizes. Mows everything from finest lawns to thickest weeds. Priced as low as $119. For full information and beautiful New Brochure . . . see your dealer or write . . . . . .

LAWN-MOWING . . . MOZ-ALL whisks thru heaviest grass. Trims right up to shrubs, walls, corners. Gives smooth, even cut over the roughest ground. It's fun to keep your lawn beautiful with MOZ-ALL

WIND-KING ELECTRIC MFG. CO. Merrill, Ia.



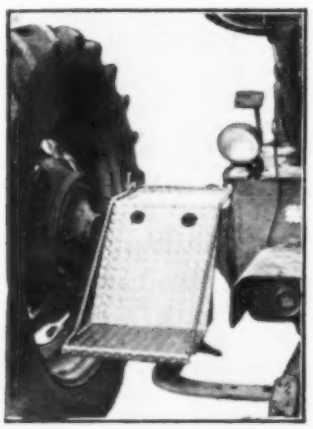
Solve FARM GATE PROBLEMS Permanently

Like pumping water, opening and closing farm gates has been a tedious daily chore. Not so with Lincoln "Flying L" Auto Gates (Cattle Guard). Keeps stock in, but you go and come conveniently. Complete steel construction, easy to install, maintain. Write at once for details, prices. Dept. WF-4.

LINCOLN STEEL WORKS, Lincoln, Nebr., USA

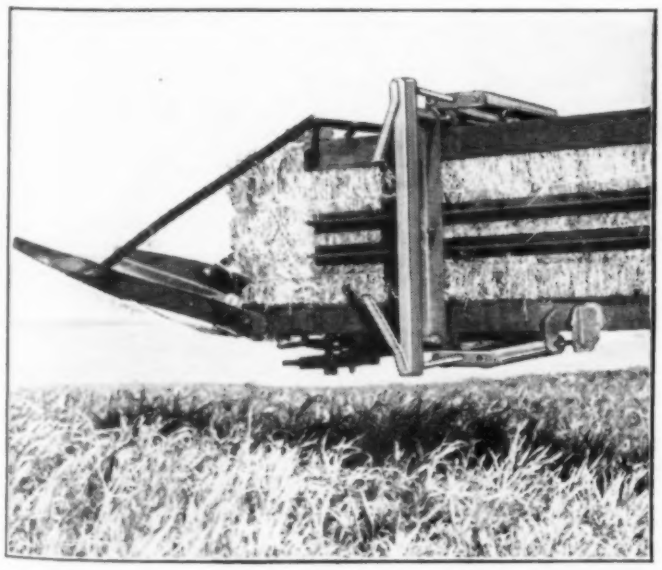
# What's New?

**Self-Unloading** wagon box will push out silage, corn, chopped hay, dirt, sand or snow. It can be converted into a manure spreader by adding a beater, or into a feed mixer by adding drum and beater. Operation is controlled from tractor seat. The tractor power take-off turns an endless chain of movable steel slats which extend across the full width of the wagon bed. Treated wood bed and aluminum sides are provided to eliminate the effects of acids in the manure. Made by Superior Separator Co.



**Steps** that are quickly attached to your tractor are now offered. They are said to fit Allis-Chalmers WC tractors and Farmall H, M, MD and C tractors. Not necessary to drill in attaching. The steps add safety and ease of mounting tractor. Made by the Calhoun Manufacturing Company.

**No Belt** required to drive a hammermill with this attachment. The power take-off shaft turns the mill. Just back the tractor up to a mill which is equipped with this attachment and connect the shaft. It is said to fit any make of mill. Distributed by the Mid-States Equipment Company.



**Hay Baler** attachment is claimed to make uniform bales. It is an expansion control unit that controls the press automatically. Bales will not be loose and then tight, or short and then long. Can be installed with little time and trouble. Expansion control unit is announced by the H. C. Schaefer Co.

HIGH BUTTERFAT RECORD for ILLINOIS

Day after day, in many states, classy young herds like Mr. Hartman's beautiful Holsteins are proving you can't beat good breeding, intelligent care and regular feeding with—

KIDMAN'S STANDARD STOCK POWDER

"Standard over 50 years." Kidman's Standard Stock Powder and Kidman's Mineralized Yeast are time tested for quality. Use them with your home grown feeds for better Dairy and Beef Cattle, Hogs, Sheep, Horses and Poultry.

SALES REPS. WANTED

"HIGH BUTTERFAT RECORD FOR ILLINOIS, MAY 1948"

About the first of January 1948 we started feeding Kidman's Standard Stock Powder with our home feeds and later on when our cows had all freshened they made a butterfat average of 73.5 lbs. which was high in the State of Illinois for the month of May 1948 and followed up through the month of June with a 63.3 lbs. fat average which was high in the county (STEPHENSON).

All were on 2 times milking and fed equal parts corn and cob meal, oats and soy bean meal protein with KIDMAN'S STANDARD STOCK POWDER.

Ralph H. Hartman & Son
Dakota, Illinois

STANDARD STOCK POWDER COMPANY
DEPT. W-7 DES MOINES, IOWA

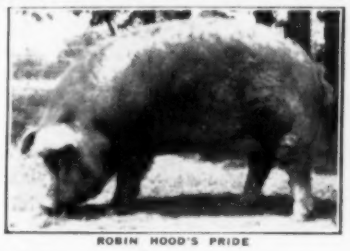
DUROC BRED SOW SALE

Sale will be held at Hi-View Farm on Highway 60, 2½ miles south of

Eagle Grove, Iowa

Thursday, Aug. 4

Starting at 1:00 P. M.



ROBIN HOOD'S PRIDE

45 Profit-Making Durocs

25 head of attractive gilts and tried yearling sows will carry the services of

ROBIN HOOD'S PRIDE

Top selling individual of the breed's and champion Duroc boar of the **1948 National Barrow Show**, Austin, Minnesota. The remainder of the offering will carry the services of an outstanding son of **FLEETLINE.**

A choice offering where the commercial hog man and the purebred breeder will find individuals to their liking at prices they can well afford to pay. Style, quality, fast maturing, easy feeding . . . the essential factors which will return a quick profit. Write today for your **FREE** catalog. Kindly mention this publication when doing so. Address

S. C. SCHRAGE, EAGLE GROVE, IOWA

Auctioneer, John Hall Maurice Boney, Fieldman

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**Helps Save Milk and Grow Beautiful Calves!**

*Order from your milk hauler or feed dealer today.*

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**STUDER STOCK FARM**

Reg. Aberdeen Angus bulls ready for service. Sired by Imported Sire. Some real herd bull prospects. Also 20 yearling heifers by Imp. Sire. Some being bred now to Elution of Edenwood (Imp.). They are of the most popular Scotch and American families. Some by Imp. dams.

Visit the farm or write.

BEN G. STUDER WESLEY, IOWA

REGISTERED
**ANGUS BULLS**
25 top Sunbeam bulls, ready for service.
WALTER & J. R. WILKINSON
6½ miles West on West Main
MARSHALLTOWN, IOWA

## HEREFORDS

**CHOICE HEREFORD BULLS**
**FOR SALE**

I am now offering one yearling bull for sale, sired by Prince Lamplighter, out of a dam by Return Domino W. 32d. Also one good 2-year-old bull by Return Domino and 9 younger bulls. Write or come and see me. Address

D. A. SPOONER MONDAMIN, IOWA

**HEREFORD BULLS**
12 choice registered bulls from 12 to 18 months old by WHR TRIUMPH DOMINO 79th. Good quality, priced reasonable. Visit farm or write.
CHARLES AMOS, R. 1, INDIANOLA, IOWA

**REG. HEREFORD BULLS**
1 choice 24-month-old sired by Baron Mischief Jr. out of a Domino-bred cow. 8 bulls 12 to 15 months old. Priced reasonable.
JOHN DITTMER & SONS LACONA, IOWA

## POLLED HEREFORDS

**POLLED HEREFORD BULLS**
Our herd bull, DOCTOR RUPERT, grandson of International Grand Champion. Modern beef type, wonderful Polled head and sire of classy yearling and 2-year-old bulls, which are for sale. Reasonable. Come see them.
WILLIAM McARTHUR & SON, Mason City, Iowa

**Weld "ANYTHING... ANYPLACE ANYTIME" with a Forney ARC WELDER**

AC and DC . . . types and sizes for every farm need. Meet all the REA and NEMA Specifications. Fully equipped and fully guaranteed.

**NEW DC PORTABLE**
Belt Driven from any tractor, motor or engine.

WELD any metal in any gauge or weight—from sheet to motor blocks. BUILD your own stanchions, steel gates, power rakes, hay loaders, conveyors. BRAZE water tanks, pipes, sheet metal. SOLDER radiators, wiring, leaky fuel cans, milk cans. HARD SURFACE plowshares, cultivator bits, shovels.

**FORNEY FARM WELDERS**
Box 37, Bethany Station,
LINCOLN, NEBRASKA
Please send me complete information on FORNEY Arc Welders and Farm Welding Service.

NAME__________________

ADDRESS__________________

## SHORTHORNS

CHOICELY BRED
**SHORTHORN BULLS**

We are now offering 5 head of October and November Shorthorn bulls for sale. Red in color, sired by Ideal Ramsden, and out of Augusta and Orange Blossom cows. These are ready for immediate use. Also some very choice Shorthorn cows and heifers. Write or come and see them. Address
BOCHMAN BROS. HOLSTEIN, IOWA

**Scotch Shorthorn Bulls**
By HELFRED STANDARD
Grandsons of the great imported Sunray
19 miles S. W. of Creston.
W. A. RAY KENT, IOWA

## POLLED SHORTHORNS

**POLLED SHORTHORN BULLS**
Choice quality, rich breeding. Reasonable. Phone, wire, or write
BERT A. HANSON
VERNON CENTER MINNESOTA

**POLLED SHORTHORNS**
"Why breed on the horns and then saw them off." Our 93 members have many fine POLLED SHORTHORN bulls for sale. Write today for FREE membership list. EARL S. GIRTON, Secy., Box 282, Marshalltown, Iowa. Iowa Polled Shorthorn Club Inc.

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**HOLSTEINS AND GUERNSEYS**
Choice Heifer Calves. Month old, from Wisconsin's selected high production cows. Also beautiful bred and open Holstein heifers.
GREENWALD BROTHERS
Oakland Dairy Farms MUKWONAGO, WIS.

**GUERNSEY AND HOLSTEIN HEIFER CALVES**
Good, strong, carefully selected Guernsey or Holstein heifer calves, purebred, not subject to registry. $45 on express car, older calves $50. 10 to 35 delivered by truck to your farm on approval. Also a few Brown Swiss calves.
H. R. LOBDELL MUKWONAGO, WIS.

## GUERNSEYS

**GUERNSEY HERD**

I am offering for sale my herd of 30 Registered Guernseys. To be sold in one unit, 21 milk cows now milking, 5 springing heifers, 4 heifers from 10 to 18 months old, and the Herd Sire. The herd headed by the following sires: Destiny of Broad Ripple 199294, winner of the Sire Index award in Iowa 1937; Hill Girt Valor 335702, his sire, Hill Girt Noel 240856 first 5 Dr. averaged 633 lbs. B.F. in C. G. The Dam of Hill Girt Noel, Nora Bell of Hill Girt, has a record of 1,012 lbs. B.F. C AA. My present herd sire, Rosebud Farm Headwaiter 389812, is sired by Argilla Beacon 338835, who was grand champion bull at the National Dairy Show. At the Waterloo Dairy Congress 1947. The entire herd calfhood vaccinated for Bangs and have never had a T.B. reactor. 12-year D.H.I.A. herd average of 418 lbs. B.F. 2x milking. For further information write or come and see me.
PLEASANT VALLEY FARM
ART GRANZOW HUBBARD, IOWA

**GUERNSEY BULLS**
Serviceable age. Sire's dam has 600 lbs. B.F. Dams have H.I.R. records to 493 lbs., Sr. 3-yr. Four year herd average 414 lbs.
H. W. SAWIN AND SON, NORTHWOOD, IOWA

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**HOLSTEIN BULLS**
Governor of Carnation and Posh breeding, serviceable age. You will like them.
SHOMONT FARM MONTICELLO, IOWA
R.F.D. No. 2 LaGrance 388

## JERSEYS

**JERSEY BULLS**

Registered bull calves. Every calf from a good cow. Herd averaged 420 lbs. butterfat per cow for 13 years. Herd free T.B. and Bangs

J. J. NEWLIN
Polk County Johnston, Iowa

**GOLDEN SUNSET JERSEYS**
New list now ready. Young bulls and bull calves for sale. Two 5-Star sons of Xenia Sparkling standard in service. Prices reasonable. Free list.
ENNIS STOCK AND DAIRY FARM, Festus, Mo.

***Save Money, Buy Bonds***

# FEED BOLSON FEED *See the Difference!*

## Hampshire Bred Sow Sale

At farm near
**NORA SPRINGS, IOWA**
**FRIDAY NIGHT, JULY 29th, 8 P. M.**
**50 CHOICE FALL GILTS**

A top offering of production-bred Hampshires sired by TODAY'S SPECIAL, a grandson of the 1947 Minn. Grand Champion, TIMBER, a grandson of Grand Hi Roller, and by MASTER BOUND, a grandson of Glory Bound. The gilts weigh from 350 to 400 and are mated to farrow from August 20th to September 20th to the best group of boars we have ever used . . . namely, TIMBER, ROBIN BOUND, TOP NOTCH, and RE-ECHO. Farmers and breeders will be able to buy the best in Hampshires at their own prices. FREE catalog sent on request. Kindly mention this paper when writing. G. H. Shaw, Auctioneer.

**FIELD & CHRISTIANSEN, NORA SPRINGS, IOWA**

**NATIONAL DUROC CONGRESS — JULY 29 and 30**
**At State Fairgrounds, Lincoln, Nebraska**

Learn What Type for Most Profit! Type conference, judging contest, carcass demonstration, cooking school. National Show and Sale of 80 bred fall gilts and 100 spring boars and gilts. Market Barrow Show. Free Barbecue. Write today for copy of official program and catalog.

**United Duroc Record Assn., Room 45, Duroc Bldg., Peoria, Ill.**

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For the average farmer, Milking Shorthorns are unbeatable. Produce 4% milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm! Free facts. Or subscribe to Milking Shorthorn Journal. Six months, $1.00; $2.00 per year; 3 years, $5.00. AMERICAN MILKING SHORTHORN SOCIETY • Dept. WFS 4122 SOUTH UNION • CHICAGO 9, ILLINOIS

**MILKING SHORTHORNS**
Choice bulls and females. Desirable quality. Ruth B blood lines. 21,641-957 lbs. Now using Auvergne Chief. 11 nearest dams 12,767-510 lbs. Reasonable. Write or visit.
NAAB BROS. LAWLER, IOWA

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**BONNIE ACRES FARM**
BERKSHIRE HOGS
HEREFORD CATTLE
Fall boars and bred gilts for sale. Would appreciate hearing from you.
TOM CONOVER HOLSTEIN, IOWA

## CHESTER WHITES

REGISTERED CHESTER WHITE
**BRED GILTS**
To farrow August and September. Top quality. Cholera immune.
ERWIN THOELE ARLINGTON, MINN.

## DUROC JERSEYS

**DUROC FALL BRED GILTS**
15 Choice Registered Duroc fall gilts for August and September farrow. Excellent condition, weighing 350-400 lbs. Bred to Transmitter and Lucky Star. Immune. Write or come see them.
GREGOR F. VASKE & SON Dyersville, Iowa

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**HEREFORD HOGS**
NEW! DIFFERENT! DISTINCTIVE MARKINGS!
SHIPPED C O D YOUR APPROVAL
FREE CIRCULAR
YALEHURST FARMS, PEORIA, ILL.

## MINNESOTA NO. 1 HOGS

**Minnesota No. 1 & No. 2 Hogs**
Select registered sows and gilts, bred for fall farrow. Reasonably priced. Inspection invited.
WILLIAMS BROS. FAIRFAX, IOWA
2 miles southeast

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**LIVESTOCK FOR SALE**
**Swine**
Cross-line Poland China Boars.
**Sheep**
Yearling Shropshire and Hampshire Rams
**Dairy Bulls**
of the Ayrshire, Brown Swiss, Guernsey, Holstein and Jersey breeds.
ANIMAL HUSBANDRY DEPARTMENT
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**TAMWORTHS and YORKSHIRES**
**BRED GILTS . . . OPEN GILTS . . . and BOARS**
DWAINE CLARK COLFAX, IOWA

**PUREBRED TAMWORTHS**
**MORE MEAT — LESS LARD**
I am now booking orders for spring boars and gilts for Sept. delivery. Also have limited number of bred gilts. Get your start in Tamworths from this established quality herd.
J. H. JONES AINSWORTH, IOWA

## YORKSHIRES

**YORKSHIRE HOGS**
Registered Breeding Stock of all ages for sale.
PORTERS YORKSHIRE FARM
ELDRIDGE, IOWA
8 miles north of Davenport

PRINCE EDWARD ISLAND
**YORKSHIRES**
Choice breeding stock for sale at all times. Write Now.
DR. W. J. HULS, 602 E. 15th, DAVENPORT, IA.

**— OUR ADS ARE NEWS —**

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**Registered Hampshire and Suffolk**
**RAM AND EWE SALE**
Fair Grounds
**OSKALOOSA, IOWA, MON., AUG. 15**
Consignment consists of our champion Hampshire Ewe of 1948 shows. Other ewes that are bottoms of much of our 1949 show flock. Buy a ram now. We keep him at no extra cost until you are ready for him. We will breed any ewes purchased at no extra cost.
Beau Geste Farms, Oskaloosa, Iowa

**IOWA STUD RAM SALE**
State Fair Grounds
**DES MOINES, IOWA, SAT., JULY 23rd**
12:30 P. M.
**RAMS — 50 — EWES**
Hampshires, Shropshires, Southdown, Oxfords and Suffolks
Choice individuals selected from leading flocks. Plan to attend. Ask now for FREE catalog. Address M. J. MAXSTED, Secy., OSKALOOSA, IOWA
Iowa Purebred Sheep Breeders
E. H. Rotter, Pres., West Point, Iowa

**SUFFOLKS & LINCOLN RAMS**
Any age for sale. More mutton, more wool. Order now. Shipment made when wanted. Write or wire
CRANDELL'S PRIZE STOCK FARMS
ITHACA, MICH.

**SHEEP FARMING PROFITABLE**
Feeding, breeding, management problems explained. Send Dollar bill trial subscription. (Monthly)
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**GENUINE ENGLISH SHEPHERD PUPS**
Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
HIGHVIEW KENNELS, CEDAR FALLS, IOWA

BEST YET
**ENGLISH SHEPHERD PUPS**
Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
CLOVERDALE FARM ACKLEY, IOWA

**Purebred Border Collies English Shepherds**
America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
We breed and sell our own stock.
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**SHEPHERDS, COLLIES**
ENGLISH SHEPHERD, OR COLLIE PUPS for watch and stock. Also registered Scotch collies. Reasonable.
ZIMMERMAN FARMS FLANAGAN, ILL.

**WANTED TO BUY**
Good English Shepherd or Collie Pups
**Write Box 1, Wallaces' Farmer and Iowa Homestead**

**Shomont Collies**
Workers—Companions—Guards. Write for free lists.
SHOMONT FARMS AND KENNELS
MONTICELLO IOWA

**GENUINE ENGLISH SHEPHERD AND COLLIE PUPS**
Guaranteed heel-drivers (no fooling). Year's trial, training instructions. (50,000 satisfied customers.) Males — females — spayed females specialty $15.00. (Distemper vaccinated.)
EMIL RUNFT REINBECK, IOWA

Airedales—Reg.—M. $30, F. $20. Cockers—Reg.—M. $20, F. $15. Chows—Not Reg.—M. $20, F. $15. Cocker for fer. cross—black—M. 15. Hamsters—$5 a pair. Ferrets, white or brown, M. or F., $10. Mink kits. Write for details. Van Gorp Kennels & Mink Ranch, Pella, Iowa

**WHITE PUREBRED SPITZ**
WANTED—Choice female, purebred, pure white Spitz Puppies. WRITE NOW.
MRS. ROSINA GEU, R. R. 2, WISNER, NEBR.

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## Coming Livestock Sales

### ABERDEEN ANGUS

Sept. 19—Central Iowa Breeders, Marshalltown, Iowa; Clair G. Mason, Secy.
Sept. 21—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.
Sept. 22—Leslie Oliver, Williamsburg, Iowa; J. B. McCurkle, Mgr., 3710 A. I. U. Bldg., Columbus, Ohio.
Sept. 26—Wisconsin State Sale, Lancaster, Wis.; J. Perrin, Secy., Bloomington, Wis.
Sept. 30—Northeast Missouri Breeders, Memphis, Mo.; W. R. Dierks, Secy.
Oct. 1—H. Ward Benson, Milton, Iowa.
Oct. 10—Inter-state Aberdeen Angus Assn. Sale, Sioux City, Iowa; P. K. Pratt, Secy. and Mgr., Walnut, Iowa.
Oct. 12—Fred Whittum and W. W. Herkelman, Dispersion, Stuart, Iowa.

### HEREFORDS

Sept. 19—Etnyre Hereford Farms, Oregon, Ill.
Sept. 21—J. E. Cipra, Cromwell, Iowa; sale at Creston, Iowa.
Sept. 28—Wiese Bros., Donohoe, Iowa.
Sept. 28—L. C. Larsen & Sons, Hamlin, Iowa; sale at Audubon, Iowa.
Oct. 4,5—Sioux City, Iowa, Hereford Cattle Breeders Show and Sale; F. W. Ketelsen, Secy., Corff, Iowa.
Oct. 8—T. G. Murray, Oxford Jct., Iowa.
Oct. 11—Bianchi Hereford Ranch, Macon, Mo.
Oct. 12—Creston Hereford Breeders, at Orient, Iowa; Lloyd H. Woods, Mgr., Creston, Iowa.

### POLLED HEREFORDS

Oct. 13—Werner Hereford Farms, San Jose, Ill.
Oct. 26—Hervale Farms, Leland W. Herman, Wayne, Neb.

### SHORTHORNS

Sept. 23—G. J. Schutjer, Woden, Iowa.
Sept. 24—Minnesota State Sale, Marshall, Minn.; T. Findahl, Mgr., Waterville, Minn.
Sept. 26—Southwest Iowa Breeders, Red Oak, Iowa; M. D. Lomas, Secy.
Sept. 27—Marshall County Breeders Assn., Marshalltown, Iowa; Geo. H. Lewis, R. 1, Mgr.
Sept. 29—Nicholas Cassens, Sigourney, Iowa.
Sept. 29—P. A. Rasmussen & Sons, Goldfield, Iowa; sale at Humboldt, Iowa; Merv Aegerter, Sale Mgr., Seward, Neb.
Sept. 30—Dispersion, Robert Wright, Carroll, Iowa; Merv Aegerter, Mgr., Seward, Neb.
Oct. 1—Swanson Bros., Estherville, Iowa; Merv Aegerter, Sale Mgr., Seward, Neb.
Oct. 3—Northwest Missouri Breeders, Rockport, Mo.; James Meyer, Mgr., Maryville, Mo.
Oct. 7—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust St., Aurora, Ill.
Oct. 7—Fred Rothlsberger & Son, Elgin, Iowa; S. Davis & Son, Wadena, Iowa, and Ted Whitford & Son, Volga, Iowa.
Oct. 19—American Royal Sale, Kansas City, Mo.
Oct. 25—Eastern Iowa Breeders, Cedar Rapids, Iowa; Albert J. Hamann, Mgr., Rock Rapids, Ia.
Oct. 26—Carl Retzlaff, Walton, Neb.; Merv Aegerter, Sale Mgr., Seward, Neb.

### POLLED SHORTHORNS

Oct. 4—Sioux Empire Show and Sale, Sioux Falls, S. D.; John F. White, Mgr.
Oct. 5—Iowa Polled Shorthorn Club, Inc., Show and Sale, Des Moines, Iowa; Earl S. Girton, Mgr., Box 282, Marshalltown, Iowa.
Oct. 6—Albert Hultine & Sons' 50th Anniversary Sale, Sarpsville, Neb.; sale at Lincoln, Neb.; Merv F. Aegerter, Sale Mgr., Seward, Neb.
Oct. 8—Illinois State Sale, Normal, Ill.; Hal Longley, Mgr., 16 S. Locust St., Aurora, Ill.
Oct. 21—Missouri State Sale, Sedalia, Mo.; Rollo Singleton, Secy., Columbia, Mo.

### MILKING SHORTHORNS

Sept. 20—Iowa State Sale, Des Moines, Iowa; E. A. Mitchell, Secy., Reinbeck, Iowa.
Sept. 26—Dissolution Sale, Parkmoor Farms, Hooper, Neb.; sale at Fremont, Neb.

### DAIRY CATTLE

Sept. 16—Iowa State Sale, Waterloo, Iowa (Jersey); Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Sept. 21—Twenty-third Annual Guernsey Sale, Wellman, Iowa; Truman Erb, Mgr.
Oct. 17—Iowa Holstein State Sale, Waterloo, Iowa; Dallas Y. McGinnis, Secy., 912 Waterloo Bldg.
Oct. 24—Alfred Paper (Holstein Dispersion), Stockton, Iowa; sale at Davenport, Iowa; A. W. Peterson, Sale Mgr., Oconomowoc, Wis.
Oct. 31-Nov. 1—Maytag Farms, Newton, Iowa; Dispersion Sale at Des Moines, Iowa; A. W. Peterson, Sale Mgr., Oconomowoc, Wis.

### FEEDER CATTLE

Sept. 8—Oswald Strand & Sons, Manly, Iowa.

### CHESTER WHITES

Sept. 27—Night Sale, Henry Jurgenson (Dispersion), Olin, Iowa.
Oct. 3—Nick Terpstra & Sons, New Sharon, Iowa.
Oct. 14—R. A. Riemenschneider, Kingsley, Iowa.
Oct. 18—Night Sale, Westcott Bros., Denison, Iowa.

### DUROC JERSEYS

Aug. 4—S. C. Schrage, Eagle Grove, Iowa.
Oct. 1—White Cap Farms, Verl Ringgenberg, Mgr., Box 501, Storm Lake, Iowa.
Oct. 3—Night Sale, Carl Hebner, Goldfield, Ia.
Oct. 20—W. H. Helmke & Sons, Renwick, Iowa.

### HAMPSHIRES

July 29—Night Sale, Field & Christiansen, Nora Springs, Iowa.
Oct. 21—C. T. Keen & Sons, Legrand, Iowa.

### SPOTTED POLAND CHINAS

Sept. 27—Nelson & Paulsen, Blair, Neb.
Sept. 29—Night Sale, Nicholas Cassens, Sigourney, Iowa.
Oct. 6—F. L. Jackson & Sons, Lytton, Iowa; sale at Sac City, Iowa.
Oct. 8—Albert Kremer, Lake Lillian, Minn.

### SHEEP

July 23—Iowa Stud Ram Sale, Des Moines, Iowa; M. J. Maysted, Secy., Oskaloosa, Iowa.
Aug. 15—Bean Geste Farms, Hampshire and Suffolk Sale, Oskaloosa, Iowa; Roy B. Warrick.


**LIVESTOCK FIELDMEN**

M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska. Phone Walnut 1056.
J. E. HALSEY, 1912 Grand Ave., Des Moines.
M. W. BONEY, Box 740, Storm Lake, Iowa; Phone 970-R.

We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.


## Cattle Judge Dies

Long-time exhibitors and visitors at the International Livestock Exposition were sorry to learn of the recent death, in Dalbeattie, Scotland, of Walter Biggar, judge of the steer classes at the Chicago show from 1920 thru 1946.

Biggar, a noted breeder of Galloway and Shorthorn cattle and Suffolk sheep, died at his home in Dalbeattie on June 4.

## Tri-State Shorthorn Meet

The Tri-State Shorthorn Breeders, at their annual meeting, June 21, in Sibley, Iowa, elected R. D. Arthur, Spirit Lake, president; Harry Swanson, Estherville, vice-president, and Albert J. Hamann, Rock Rapids, secretary-manager. Directors are Leonard Adams, Hartley; Ralph Hellings, Martin Luinstra and Clyde Palmer, Harris. They will hold their tenth annual sale at Sibley, January 10, 1950.

# Around the Farm AND IN THE Feed Lot

by E. A. KELLOWAY

*HARVEST FIELDS have been the scene of intense activity the past few weeks. Harvest time, with tractors purring and combines, binders and threshers humming, is both an interesting and a dangerous time. July also brings us National Farm Safety Week, and a good place to emphasize safe farming is when we're reaping the golden grain. Need for more attention to farm safety is seen in the fact that nationally there is a farm mishap about every twenty seconds.*

WITH HARVEST work pretty well along, and with the Iowa State Fair and other special attractions still some weeks away, there may be a chance to do a little of that cleaning up and painting up around the farmstead. On the score of painting, C. H. Van Vlack, agricultural engineer, reminds us that the use of a high-grade paint, even though it costs more to begin with, is the best and the cheapest material in the long run, because it is tougher, more elastic and wears longer and better.

**THROUGHOUT THE CORN BELT, during the harvest season, Walnut Grove Minerals will help you a lot in keeping pigs in shape these heavy, long working days. Across the river in Mercer county, Illinois, among our many customers there who use Walnut Grove in all their feeding rations, we find Dalton Kiddoo, Donald Kiddoo, Verdie Fisher, Lloyd Rader, Le-Roy Epperly, Paul Furnas, Ed Brokel and Joe Cox. These men receive their Walnut Grove through the service of our representative in that territory, S. M. Morehead.**

*EARLY this month, Iowa expressed a heartfelt "thank you" to H. H. Kildee, retiring Dean of Agriculture, and at the same time bade a warm welcome to the new director of agriculture at Ames, Dr. Floyd Andre, formerly of the University of Wisconsin. Kildee has served the nation's farmers in an outstanding manner for forty years. Dr. Andre is a graduate of Iowa State College and has made an excellent record in work with the USDA and in Wisconsin.*

CONGRATULATIONS are also in order for Iowa's new 4-H state officers. At the recent annual state conventions at Ames, the 4-H girls chose Donna Eichelberger, of Muscatine county, president; Doris Whade, of Clay county, vice-president; Margaret Mitchell, Linn county, secretary-treasurer, and Carol Legg, Black Hawk county, historian. The boys named Don Teachout, of Fremont county, president; Jack Miller, Clarke, vice-president; Gaydon Trible, of Black Hawk, secretary-treasurer, and Wilfred Becker, Benton, historian.

**FLIES ARE STILL "flying high," but Iowa can still be made fly-free if more of us will become more determined to stamp out this common pest. Greater emphasis on sanitation, both around the house and in the yard, will do much to knock out flies on our farms. More frequent cleaning of barn-lots, better disposal of garbage, etc., will help a lot. Equally important, and vitally necessary in maintaining control, is the use of chemicals. Wal-Gro-Cide and other DDT products handled by the Walnut Grove Products Company can help work wonders in rendering farms fly-free.**

**PEAK HEAT of midsummer is here. It's well for all to remember the danger of overheating and sunstroke that is ever present at this season. It's also important to recognize the threat to livestock of burning temperatures. A California test showed that hogs gain very little after temperatures reach 90, unless adequate shade, cool wallows, well-ventilated quarters and plenty of fresh, clean water are provided. Heavyweight hogs lost a pound and a half a day at 100 degrees or higher, and where it was dry as well as hot, with no shade, several of them keeled over deader than a doornail.**

*WALNUT GROVE has for many years made minerals for hogs, cattle, sheep and poultry. These are in daily use over all the midwest, and are giving satisfactory results. In Washington county, Iowa, farmers who believe in feeding Walnut Grove to livestock include George Kaska, Jim Lehman, Howard Greiner, Ted Zieglowsky, Ted Given, Everett Johnson and Charles Ralston. Our representative who looks after needs of these men is Charles Spinler, of Washington, Iowa.*

WE'RE NOT out of the woods yet on farm mortgage indebtedness. USDA says farm debts took quite an increase last year—about 5% above the previous year, when the debt was at a 34-year low. High land prices in places and availability of machinery, etc., for farm and home saw less money applied on debt retirement last year.

**NO PIECE of merchandise excels the quality of its ingredients. This is surely true in all feeds, and we who make Walnut Grove Minerals always have this thought in mind in building a product of the importance of Walnut Grove Minerals. In and around Cedar Falls, Iowa, in Black Hawk, Grundy and Butler counties, some of our long-time customers include Tim and Ray Bohan, brothers on two farms, Roy, Glen and Earl Shoemaker, brothers on three farms, Olie Johnson and son, Donald, and A. L. "Tex" Harden. Our representative in this territory, George Hilton, of Cedar Falls, Iowa, looks after service to these men.**

*RECOGNITION of outstanding G. I. farm families is again slated for the Iowa Fair. In cooperation with the American Legion and Station WHO, the fair plans to honor and entertain nine district winners. Winning family for Iowa gets a trip to the International Stock Show. Eligibility requires residence on an Iowa farm, a family of one or more children and an honorable discharge from service in World War II. Membership in a veterans' organization is not required.*

"PIG-NAPPING" is the latest crime reported from war-devastated Germany—and this on top of the Berlin Blockade, railway strike, Communism and other troubles to beset the Reich. Two thieves, who thought they had a perfect plan for stealing a 300-pound German porker, weren't quite successful in their pig-napping attempt, however. The idea was to use chloroform and carry the animal away. Fortunately for the farmer, the plan backfired. When he went to investigate strange grunts from his pig-pen, he found that his hog was very much awake, but that both of the would-be thieves had been knocked out cold by their own chloroform.


**Walnut Grove Minerals**

SOLD ONLY BY *DEPENDABLE REPRESENTATIVES*
★ HOME OFFICE ATLANTIC, IOWA


## Livestock News

The Polled Hereford dispersion of the late Henry Ort Estate, Garwin, Iowa, held at Marshalltown, Iowa, June 27, brought out a good crowd. Polled Blanchard, son of Woods Domino 2d, was top bull, going to J. R. Morrow, Reinbeck. Doris Domino, top female, sold with bull calf for $470, to Warren E. Hall, Reinbeck. The 13 bulls averaged $350.77, with 27 cows and calves at $343 and 16 heifers at $256. The 56 lots sold for $17,935, a general average of $320. All went to Iowa buyers except one, to Missouri. Auctioneer, Clair Mason.

Emmadine Farms, Inc., owned by J. C. Penney, attracted a large crowd for their Hereford sale, held near Breckenridge, Mo., June 7. Only one bull was offered for sale, he an extra lot sired by MW Larry Domino 87th, which sold for $4,500 to F. F. McIntosh, Spencer, W. Va. The top female was also an extra lot, by MW Larry Domino 36th, from a dam by Mischief Domino 8th and bred to TT Mission Triumph, which also sold to F. F. McIntosh, for $3,500. The 126 lots averaged $513. Auctioneers, Thompson, Sims and Fulkerson.

## Shorthorn Field Day

The first field day for the Southwest Iowa Shorthorn Breeders was June 26, at the Lloyd Davis farm, Oakland, Iowa, with more than 200 in attendance, including Shorthorn and Polled Shorthorn breeders in this section and a few from out of the state. Ray Saunders, president, presented the committee who planned the field day, namely, Glen Windom, Carl Gilman and Lloyd Davis. They presented Lloyd Davis a beautiful wrist watch for his birthday. Bill Imlau gave a practical demonstration on type and three classes for the judging contest. He was ably assisted in his placings by Ted Aegerter and Albert Hamann. The association plans its annual fall show and sale on September 26, at Red Oak. Everyone enjoyed the day.

## DeVore Hog Picnic

The Fred DeVore Hog Picnic at Elmwood Park, Omaha, Neb., June 19, was one of the greatest gatherings of its kind of the year. More than 300 were in attendance, coming from all sections—some from California and many other states. There was a stock judging contest, races and other interesting events, and everyone enjoyed the affair.

## Angus Breeders Meet

The Southwest Iowa Angus Breeders gathered the afternoon of June 12 at the Peter Pratt farm, Walnut, Iowa. Breeders and cattle men were present from a wide section, and they put on an interesting judging contest, with trophies awarded the winners. All enjoyed the wonderful dinner and day.

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# The Tank Truck

Joe W. Smith haying some of the Herefords he short feeds on his North Platte farm. "As insurance against failures in the haying season, I use Conoco Products," he says.

Mr. Smith irrigated 170 acres of corn and 30 acres of alfalfa on his section in the North Platte Valley. Mr. Smith is also an outstanding beet grower.

## Beet Grower Beats Bills!

Ninety-two *tons* of beets from 3 acres of ground is the record recently made by Joe W. Smith, 4 miles southeast of North Platte, Nebr. That, friends, is an awful lot of beets!

Mr. Smith has been high-tonnage man at the North Platte beet dump, but he doesn't concentrate solely on the sugar crop—he raises irrigated corn, too. And he short feeds about 85 Herefords and runs about the same number on pasture.

To take care of this diversified and profitable farming operation, Mr. Smith has quite a stable of farm machinery—tractors, irrigation pumps, power units, trucks and cars.

Naturally, with this kind of an investment in equipment, stock and crops, Mr. Smith can take *no* chances with equipment failure. So he OIL-PLATES his engines with Conoco N^th^ Motor Oil.

Know what OIL-PLATING is? It's the result of an exclusive additive in Conoco N^th^ Motor Oil that fastens a film of lubricant right to the cylinder walls and other working parts of an engine. This OIL-PLATING can't all drain down—not even overnight.

Even when the oil, itself, has been squeezed out by high loads, high speeds or high temperatures, that special shield of OIL-PLATING, put there by Conoco N^th^, protects the moving parts.

"In this business of farming," Mr. Smith explains, "there are times when a lubrication failure would mean the difference between profit or loss, especially during irrigation and haying.

"As insurance against such failures, I use Conoco Products the year around. During the past 4 years, my repair bills on my tractors, power unit, irrigation pumps and other equipment have amounted to $18! . . . That is why I am thoroughly convinced that Conoco N^th^ gives me a *maximum in hours of work with a minimum of operation expense.*"

## Individual Swiss Steak!

. . . by Mrs. Etta Reece
R. 1, Hale, Mo.

1 lb. round steak, 1 inch thick
4 T. flour
1 t. salt
½ t. celery salt
4 thick slices onion
2½ cups canned tomatoes, or juice
2 beef bouillon cubes.

Cut steak into 4 servings. Combine flour, salt and celery salt. Dredge in flour mixture, using all of it. Brown in hot fat. Keep heat down so flour will not burn, but brown well. Top each portion with slice of onion, pour tomatoes over top. Cover skillet and cook in 300° oven one hour or until tender. Add 2 beef bouillon cubes. Serves four.

Send your favorite recipe to Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Oklahoma. A $7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

**FARM KITCHEN**

## Cuts Down With N^th^!

"In 1941 an implement dealer told me about Conoco Products," reports Tonie Barthel, Wibaux, Mont. "I took his advice and changed over. All of the motors in my trucks, tractors, cars and combines are cleaner now than I ever thought they could be again. I used to have my tractors overhauled every year. But take that old International. It's run 2 full seasons since it was overhauled and it can go at least one more season without any work on it. And it's 20 years old! Actually, *my oil and repair costs aren't nearly as high as they used to be, even though everything else is lots higher!*" What better advice could *you* get in these inflationary times? A change is in order—change to Conoco N^th^ Motor Oil.

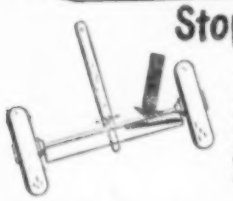
## You Getting this Service?

Your Conoco Agent is *first* a friend. He is there to *serve* you. Typical of these *friendly* Conoco Agents is N. G. "Newt" Bellairs, of Walden, Colo. Newt has spent 37 years *helping* his farm customers. For instance, he has a customer who lives 13 miles from Walden and 4 miles off the highway. For 3 months every winter, this customer is snowed in. When Newt delivers Conoco N^th^ Motor Oil and other Conoco Products, he also takes along the groceries. During the haying season last summer, another customer's hay baler broke down. The customer called Newt, who hauled replacement parts for the haying equipment. Almost all Conoco Agents are like Newt, who knows that *you*, the farmer, are his best customer. Your Conoco Agent believes that his obligation to *you* includes the finest products *and* the best service in the business. *You can depend* on your Conoco Agent.

* * *

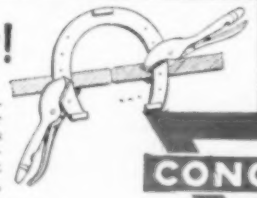
**YOUR CONOCO AGENT**

## Stops Whipping!



To fix a 4-wheeled trailer that whips and won't trail, fasten a 1½-inch coil spring from the tie rod arm to the axle to take up the play, suggests O. L. Blackwell, R. 1, Brownfield, Tex.

## True Dummy!



To hold the ends of broken metal together for welding, fasten the pieces to a horse-shoe with vise-grip pliers, as shown. Sent in by Seth H. Bartel, Durham, Kans.

**PRIZES FOR IDEAS!** Send your original ideas to *The Tank Truck* in care of this paper—and get a genuine $8 D-15 Henry Disston Hand Saw for every idea that's printed!

CONOCO